



Shreekrushna Shikshan Sanstha's

SHRIKRISHNA SHARIRIK SHIKSHAN MAHAVIDYALAYA

Near Vaishali Nagar, Satpute Nagar, New Mhasala, Wardha-442001

Affiliated to R.T.M. Nagpur University, Nagpur & Recognised by NCTE (WRC) BHOPAL

NCTE College Code No. B.P.Ed.-114083 M.P.Ed. OAPW 5588/124068


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Ref: NAAC 2024/MLD/Cr-1.2.1

Date-24/01/2024

Criteria: 1.2.1	Curriculum provides adequate choice of courses to students as optional / electives including pedagogy courses for which teachers are available 1.2.1.1. Number of optional/ elective courses including pedagogy courses offered programme - wise during the last five years.
Findings of DVV	Circular/document of the University showing duly approved list of optional /electives / pedagogy courses in the curriculum. Academic calendar showing time allotted for optional /electives/pedagogy courses
Response/ Clarification	<ol style="list-style-type: none">1. Scanned copy of university syllabus showing optional/elective choices for students (Appendix I)2. College Teaching Calendar showing provisions for optional/elective course (Appendix II)




Principal
Shrikrishna Sharirik Shikshan
Mahavidyalaya Wardha

Appendix I

**RashtraSant Tukadoji Maharaj
Nagpur University, Nagpur**

**CBCS : Master of Physical
Education
(M.P.Ed) CURRICULUM
(For Two Years)**

**Proposed Direction, Regulations
and CBCS M.P.Ed Curriculum
Semester - I to IV**

With Effect From:- 2015-2017

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
Direction No.20 of 2015

Direction issued under section 14(8) of the Maharashtra Universities Act, 1994, relating to Master of Physical Education, first to last semester in Choice Based Credit System Semester Pattern for the award of Degree of Master of Physical Education(Two years degree course), Full Time in the Faculty of Education.

Whereas, the Maharashtra Universities Act No. XXXV of 1994 has come into force with effect from 22nd July, 1994.

AND

Whereas, the National Council of Teacher Education (NCTE) vide its notification no.51-1/2014 dated 28/11/2014, issued (Recognition, Norms and Procedure) Regulation, 2014. The earlier notification (Recognition, Norms and Procedure) Regulation, 2009 (NCTE) has been repealed.

AND

WHEREAS, National Council of Teacher Education (NCTE) notification No. 51-1/2014 dated 28/11/2014 accepted by the Maharashtra State and the RTM Nagpur University and came into the force from 28/11/2014.

AND

Whereas, the Dean of the Faculty of Education has concurred with the recommendations of the Board of Studies in Physical Education in the Faculty of Education on 26th August 2015.

AND

Whereas, the Board of Studies in Physical Education and faculty of Education at its meeting held on 26th August 2015, have decided to make amendments related to M.P.Ed. first to last semester, in Choice based Credit system Semester Pattern for award of degree of **Master of Physical Education (Two years degree course)**, of Full time in the Faculty of Education.

AND

Whereas, the Faculty of Education has consented to the draft direction for the award of M.P.Ed, degree in its meeting held on 26th August 2015. This Direction shall come into force from the date of its issuance.

Now, therefore, I, **Dr. Sidharthvinayak Kane Vice-chancellor of RashtrasantTukadojiMaharaj Nagpur University, Nagpur** in exercise of powers vested in me under section 14(8) of the Maharashtra Universities Act, 1994, do hereby issue the following Direction pertaining to the amendment as made for M.P.Ed, first to last semester in Choice based Credit system Semester Pattern for award of M.P.Ed degree in the Faculty of Education.

1. This Direction shall be called “Direction regarding Choice based Credit system Semester Pattern Scheme” and Examination leading to M.P.Ed first to last semester in Choice based Credit system Semester Pattern in the Faculty of Education, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
2. Subject to the compliance with the provisions of this Direction and any other Ordinance which is in force from time to time shall be applicable.

R.M.P.Ed.1.Intake, Eligibility and Admission Procedure:

The Intake, Eligibility and Admission Procedure is as per the NCTE norms and standards.

R. M.P.Ed. 2. Duration:

The M.P.Ed programme is of a duration of two academic years, that is, four semesters. However, the students shall be permitted to complete the programme requirements within a maximum of three years from the date of admission to the programme.

R. M.P.Ed. 3. The CBCS System:

All programmes shall run on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students, to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education.

R. M.P.Ed. 4. Course:

The term course usually referred to, as ‘papers’ is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise Lectures/ Tutorials/Laboratory Work/ Field Work/ Outreach Activities/ Project Work/ Vocational Training/VIVA/ Seminars/ Term Papers/Assignments/ Presentations/ Self-Study etc. or a combination of some of these.

R. M.P.Ed.5. Courses of Programme:

The M.P.Ed. programme consists of a number of courses, the term ‘Course’ applied to indicate a logical part of subject matter of the programme and is invariably equivalent to the subject matter of a “paper” in the conventional sense. The following are the various categories of courses suggested for the M.P.Ed. Programme.

- **Theory**
 - **Core Course**
 - **Elective Course**
- **Practicum**
 - **Compulsory Course (Track and Field)**
 - **Elective Course**
 - **Teaching/Coaching Practices**
 - **Internship**

R. M.P.Ed.6. Semesters:

An academic year is divided into two semesters. Each semester will consist of 17-20 weeks of academic work equivalent to 100 actual teaching days. The odd semester may be scheduled from May/June to November/December and even semester from November / December to May/June. The institution shall work for a minimum of 36 working hours in a week (five or six days a week).

R. M.P.Ed.7. Working days:

There shall be at least 200 working days per year exclusive of admission and examination processes etc.

R. M.P.Ed. 8. Credits:

The term 'Credit' refers to a unit by which the programme is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or one and half / two hours of practical work/field work per week. The term 'Credit' refers to the weight given to a course, usually in relation to the instructional hours assigned to it. The total minimum credits, required for completing M.P.Ed. programme is 90 credits and for each semester 20 credits.

Provision of Bonus Credits Maximum 06 Credits in each Semester

Sr. No.	Special Credits forte Extra Co-curricular Activities	Credit
1	Sports Achievement at State level Competition (Medal Winner)	1
	Sports Achievement National level Competition (Medal Winner)	2
	Sports participation International level Competition	4
2	Inter Uni. Participation (Any one game)	2
3	Inter College Participation (min. two games)	1
4	National Cadet Corps / National Service Scheme	2
5	Blood donation / Cleanliness drive / Community services /	2
6	Mountaineering – Basic Camp, Advance Camp / Adventure Activities	2
8	News Reporting / Article Writing / book writing / progress report writing	1

Students can earn maximum 06 Bonus credits in each semester by his/her participation in the above mentioned activities duly certified by the Head of the institution / Department. This Bonus credit will be used only to compensate loss of credits in academic activities.

R. M.P.Ed. 9. Evaluation:

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade point. Evaluation for each course shall be done by a continuous internal assessment (CIA) by the concerned course teacher as well as by end semester examination and will be consolidated at the end of course. The components for continuous internal assessment are;

One Test	15 Marks
Assignments / Lab Practical	10 Marks
Attendance	5 Marks
Total	30 Marks

Attendance shall be taken as a component of continuous assessment, although the students should have minimum 75% attendance in each course. In addition to continuous evaluation component, the end semester examination, which will be written type examination of at least 3 hours duration, would also form an integral component of the evaluation. The ratio of marks to be allotted to continuous internal assessment and to end semester examination is

30:70. The evaluation of practical work, wherever applicable, will also be based on continuous internal assessment and on an end-semester practical examination.

R. M.P.Ed 10. Grading:

Once the marks of the CIA (Continues Internal Assessment) and SEA (Semester End Assessment) for each of the courses are available, both (CIA and SEA) will be added. The marks thus obtained for each of the courses will then be graded as per details provided in R. M.P.Ed. 12 from the first semester onwards the average performance within any semester from the first semester is indicated by Semester Grade Point Average (SGPA) while continuous performance (including the performance of the previous semesters also) starting from the first semester is indicated by Cumulative Grade Point Average (CGPA). These two are calculated by the following formula:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

$$CGPA = \frac{\sum_{j=1}^N SGPA_j}{N}$$

Where C_i is the Credit earned for the course in any semester; G_i is the Grade point obtained by the student for the course and n number of courses obtained in that semester; $SGPA_j$ is SGPA of semester j and N number of semester. Thus CGPA is average of SGPA of all the semesters starting from the first semester to the current semester.

R. M.P.Ed. 11. Classification of Final Results:

For the purpose of declaring a candidate to have qualified for the Degree of Master of Physical Education in the First class / Second Class / Pass Class or First Class with Distinction, the marks and the corresponding CGPA earned by the candidate in Core Courses will be the criterion. It is further provided that the candidate should have scored the First / Second Class separately in both the grand total and end Semester (External) examinations.

R. M.P.Ed.12. Letter Grades and Grade Points:

- i. Two methods-relative grading or absolute grading– have been in vogue for awarding grades in a course. The relative grading is based on the distribution (usually normal distribution) of marks obtained by all the students in the course and the grades are awarded based on a cut-off mark or percentile. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the following grading system, the colleges and universities can use any one of the above methods.
- ii. The grades for each course would be decided on the basis of the percentage marks obtained at the end-semester external and internal examinations as per following table:

Percentage	Grade Point	Latter Grade	Description	Classification of final result
85 & above	8.5-10.0	O	Outstanding	First class with Distinction
70-84.99	7.0-8.49	A ⁺	Excellent	
60-69.99	6.0-6.99	A	Very Good	First Class
55-59.99	5.5-5.99	B ⁺	Good	Higher Second Class
50-54.99	5.0-5.49	B	Above Average	Second Class
40-49.99	4.0-4.99	C	Average	Pass Class
Below 40	0.0	F	Fail/ Dropped	Dropped
	0	AB	Absent	

- iii. If the student is unable to pass the final examinations of first semester, he/she will be allowed to join second semester but he/she has to reappear in failed subjects of first semester along with the final examinations of second Semester. If the student fails to pass in I and II semester still he/she can take admission in III semester but he/she has to reappear in the failed subjects of I and II semester along with the final exam of III semester. However, for the fourth semester final examination, a student will not be allowed to appear till the student passes all the courses of previous semesters i. e semester I to III .
- iv. If the student is not able to pass the examination of the fourth semester, he/she will be given two more chances to appear in the final university examinations of the fourth Semester in next two subsequent years. If he/she is not able to pass the examination within four years after registration, he/she has to reregister him/her self and redo his/her study from the first semester.

R. M.P.Ed.13. Grade Point Calculation

Calculation of **Semester Grade Point Average (SGPA)** and **Credit Grade Point (CGP)** and declaration of class for M. P. Ed. Programme.

The credit grade points are to be calculated on the following basis:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

Example – I

Marks obtained by Student in course MPCC101 = 65/100

Percentage of marks = 65 %

Grade from the conversion table is = A

Grade Point = 6.0 + 5 (0.99/9.99)

= 6.0 + 5x0.1

= 6.0+ 0.5

=6.5

The Course Credits = 03

Credits Grade Point (CGP) = $6.5 \times 03 = 19.5$

The semester grade point average (SGPA) will be calculated as a weighted average of all the grade point of the semester courses. That is Semester grade point average (SGPA) = (sum of grade points of all eight courses of the semester) / total credit of the semester as per example given below:

SEMESTER-1

Courses Code.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-101	3	65	A	6.5	19.5
MPCC-102	3	60	A	6	18
MPCC-103	3	62	A	6.2	18.6
MPEC-101/MPEC-102	3	57	B+	5.7	17.1
MPPC-101	3	55	B+	5.5	16.5
MPPC-102	3	72	A+	7.2	21.6
MPPC-103	3	66	A	6.6	19.8
MPPC - 104	3	72	A+	7.2	21.6
	24				152.7

Examples: Conversion of marks into grade points

MPCC-101 $65 = 60 + 5 = 6.0 + 5 \times (0.99 / 9.99) = 6.0 + 5 \times 0.1 = 6.0 + 0.5 = 6.5$

MPCC-102 $60 = 6.0$

MPCC-103 $62 = 60 + 2 = 6.0 + 2 \times (0.99/9.99) = 6.0 + 2 \times 0.1 = 6.0 + 0.2 = 6.2$

MPEC-101/MPEC-102 $57 = 55 + 2 = 5.5 + 2 \times (0.49 / 4.99) = 5.5 + 2 \times 0.1 = 5.5 + 0.2 = 5.7$

MPPC-101 $55 = 5.5$

MPPC-102 $72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$

MPPC-103 $66 = 60 + 6 = 6.0 + 6 \times (0.99 / 9.99) = 6.0 + 6 \times 0.1 = 6.0 + 0.6 = 6.6$

MPPC - 104 $72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$

SEMESTER GRADE POINT AVERAGE (SGPA) = Total Credit Grade Points

= $152.7/24 = 6.3625$

SGPA Sem. I = 6.3625

At the end of Semester-1

Total SGPA = 6.3625

Cumulative Grade Point Average (CGPA) = $6.3625/1 = 6.3625$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-2

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-201	3	76	A+	7.6	22.8
MPCC-202	3	64	A	6.4	19.2
MPCC-203	3	59	B+	5.9	17.7

MPEC-201/MPEC-202	3	80	A+	8	24
MPPC-201	3	49	C	4.9	14.7
MPPC-202	3	64	A	6.4	19.2
MPPC-203	3	55	B+	5.5	16.5
MPPC - 204	3	72	A+	7.2	21.6
	24				155.7

SGPA Sem. II = 6.4875

At the end of Semester-2

Total SGPA for two Semesters = 12.85

Cumulative Grade Point Average (CGPA) = $12.85/2 = 6.425$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-3

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-301	3	64	A	6.4	19.2
MPCC-302	3	64	A	6.4	19.2
MPCC-303	3	59	B+	5.9	17.7
MPEC-301/MPEC-302	3	81	A+	8.1	24.3
MPPC-301	3	49	C	4.9	14.7
MPPC-302	3	64	A	6.4	19.2
MPPC-303	3	68	A	6.8	20.4
MPPC – 304	3	75	A+	7.5	22.5
	24				157.2

SGPA Sem. III = 6.55

At the end of Semester-3

Total SGPA for three Semesters = 19.4

Cumulative Grade Point Average (CGPA) = $19.4/3 = 6.466667$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-4

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-401	3	83	A+	8.3	24.9
MPCC-402	3	76	A+	7.6	22.8
MPCC-403	3	59	B+	5.9	17.7
MPEC-401/MPEC-402	3	81	A+	8.1	24.3
MPPC-401	3	49	C	4.9	14.7
MPPC-402	3	78	A+	7.8	23.4
MPPC-403	3	81	A+	8.1	24.3
MPPC-404	3	75	A+	7.5	22.5
	24				174.6

SGPA Sem. IV = 7.275

At the end of Semester-4

Total SGPA for all the four semesters = 26.675

Cumulative Grade Point Average (CGPA) = $26.675 / 4 = 6.66875$

CGPA = 6.66875, Grade = A, Class = First Class

Note:

(1) SGPA is calculated only if the candidate passes in all the courses i.e. get minimum C grade in all the courses.

(2) CGPA is calculated only when the candidate passes in all the courses of all the previous and current semesters.

(3) The cumulative grade point average will be calculated as the average of the SGPA of all the semesters continuously, as shown above.

(4) For the award of the class, CGPA shall be calculated on the basis of:

(a) Marks of each Semester End Assessment And

(b) Marks of each Semester Continuous Internal Assessment for each course. The final Class for M.P.Ed. Degree shall be awarded on the basis of last CGPA (grade) from one to four semester examinations.

R. M.P.Ed.14. Grievance Redressal Committee:

The college/department shall form a Grievance Redressal Committee for each course in each college/department with the course teacher / Principal / Director and the HOD of the faculty as the members. This Committee shall solve all grievances of the students.

R. M.P.Ed.15. Revision of Syllabi:

1. Syllabi of every course should be revised according to the NCTE.
2. Revised Syllabi of each semester should be implemented in a sequential way.
3. In courses, where units / topics related to governmental provisions, regulations or laws, that change to accommodate the latest developments, changes or corrections are to be made consequentially as recommended by the Academic Council.
4. All formalities for revisions in the syllabi should be completed before the end of the semester for implementation of the revised syllabi in the next academic year.
5. During every revision, up to twenty percent of the syllabi of each course should be changed so as to ensure the appearance of the students who have studied the old (unrevised) syllabi without any difficulties in the examinations of revised syllabi.
6. In case, the syllabus of any course is carried forward without any revision, it shall also be counted as revised in the revised syllabi.

Semester - I

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-101	Research Process in Physical Education & Sports Sciences	3	3	30	70	100
MPCC-102	Physiology of Exercise.	3	3	30	70	100
MPCC-103	Yogic Sciences	3	3	30	70	100
Elective Course (Anyone)						
MPEC-101	Tests, Measurement and Evaluation in Physical Education	3	3	30	70	100
MPEC-102	Sports Technology					
Part-B Practical Course						
MPPC-101	<u>Track and Field</u> Running Events – 100 / 200 Mts. Run, Jumping Events - Long Jump / High Jump, Throwing Events - Shot Put / Discus / Javelin, 30 SuryaNamaskar, Gymnastic/Swimming	6	3	30	70	100
MPPC-102	Laboratory Practical Sports Psychology, Physiology of Exercise, Sports Biomechanics and Kinesiology (Two practicals for each subject)	6	3	30	70	100
MPPC-103	Yoga *Aerobics/ Self Defence Techniques-Martial Arts, Taek-won-do/ Shooting/ Archery – (*Any One activity + Yoga)	6	3	30	70	100
MPPC-104	Adventure Activities/ Mass demonstration Activities-	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - II

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-201	Applied Statistics in Physical Education & Sports	3	3	30	70	100
MPCC-202	Sports Biomechanics & Kinesiology	3	3	30	70	100
MPCC-203	Athletic Care and Rehabilitation	3	3	30	70	100
Elective Course (Anyone)						
MPEC-201	Sports Journalism and Mass Media	3	3	30	70	100
MPEC-202	Sports Management and Curriculum Designs in Physical Education					
Part-B Practical Course						
MPPC-201	Track and Field II: Jumping events + Hurdles *Gymnastics/ *Swimming (*any one)	6	3	30	70	100
MPPC-202	Games Specialization- Kabaddi, Kho-Kho, Badminton/ Table Tennis/ Tennis/ Squash/ Baseball/ Volleyball/ Basketball/ Cricket/ football/ Handball/ Hockey/ Netball/ Softball (Any two games.)	6	3	30	70	100
MPPC-203	Teaching Lessons of Indigenous Activities and Sports- 5 Lessons(4 Internal & 1 External)	6	3	30	70	100
MPPC-204	Class room Teaching Lessons on theory of different Sports & Games- 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - III

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-301	Scientific Principles of Sports Training	3	3	30	70	100
MPCC-302	Sports Medicine	3	3	30	70	100
MPCC-303	Health Education and Sports Nutrition	3	3	30	70	100
Elective Course (Anyone)						
MPEC-301	Sports Engineering	3	3	30	70	100
MPEC-302	Physical Fitness and Wellness					
Part-B Practical Course						
MPPC-301	Track and Field III: Throwing Events+ introduction of Heptathlon event. *Gymnastics/*Swimming (*Any One)	6	3	30	70	100
MPPC-302	Games Specialization- III Boxing/ Fencing/ Judo/ Karate/ Wrestling/Wushu(Any Two)	6	3	30	70	100
MPPC-303	Coaching Lessons of Track and Field/ Gymnastics/ Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC-304	Coaching Lessons of Game Specialization- 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - IV

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-401	Information & Communication Technology (ICT) in Physical Education	3	3	30	70	100
MPCC-402	Sports Psychology	3	3	30	70	100
MPCC-403	Value and Environmental Education	3	3	30	70	100
Elective Course (Anyone)						
MPEC-401	Dissertation	3	3	30	70	100
MPEC-402	Education Technology in Physical Education					
Part-B Practical Course						
MPPC-401	Track and Field Introduction of Decathlon event *Gymnastics *Swimming Practical Skill (*any one)	6	3	30	70	100
MPPC-402	Games Specialization- Practical skills(any two)	6	3	30	70	100
MPPC-403	Officiating Lessons of Track and Field/Gymnastic/Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC-404	Officiating Lessons of Game Specializations - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800
		144	96	960	2240	3200

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

SCHEME OF EXAMINATION
(SEMESTER – I)

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-101	Research Process in Physical Education & Sports Sciences	30	70	100
MPCC-102	Physiology of Exercises	30	70	100
MPCC-103	Yogic Sciences	30	70	100
MPEC-101/102	Tests, Measurement and Evaluation in Physical Education <i>OR</i> Sports Technology (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-101	Track and Field I: Sprint, Middle and Long Distance Running, Long Jump, High Jump (Performance in any one from running + 2 jumping events.)	30	70	100
MPPC-102	Games Specialization- I (Second Best) (Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-103	Yoga Performance in Asanas, Kriyas, Bandhas & Pranayama.	30	70	100
MPPC-104	Class Room Teaching Lessons	30	70	100
	Total	240	560	800

SEMESTER -II

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-201	Applied Statistics in Physical Education & Sports	30	70	100
MPCC-202	Sports Biomechanics & Kinesiology	30	70	100
MPCC-203	Athletic Care and Rehabilitation	30	70	100
MPEC-201/202	1. Sports Journalism and Mass Media. <i>OR</i> 2. Sports Management and Curriculum Designs in Physical Education (Elective)- Any one.	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-201	Track and Field II: Shot Put, Discus Throw, Javelin Throw (Performance in any two events)	30	70	100
MPPC-202	Games Specialization- II (Second Best) Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-203	Teaching Lessons of Track and Field	30	70	100
MPPC-204	Teaching Lessons of Game Specializations	30	70	100
	Total	240	560	800

SEMESTER –III

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-301	Scientific Principles of Sports Training (Lab. Practicals – Tread mill, Bicycle ergometer, strength, endurance & fitness testing.)- Internal.	30	70	100
MPCC-302	Sports Medicine (Lab Practicals)-Internal	30	70	100
MPCC-303	Health Education and Sports Nutrition	30	70	100
MPEC-301/302	Sports Engineering OR Physical Fitness and Wellness (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-301	Track and Field III: Relay, Triple Jump, Pole Vault (Performance in any two events)	30	70	100
MPPC-302	Games Specialization- III (First Best) Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-303	Officiating Lessons of Track and Field; Game Specializations	30	70	100
MPPC-304	Internship	30	70	100
	Total	240	560	800

SEMESTER -IV

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-401	Information & Communication Technology (ICT) in Physical Education	30	70	100
MPCC-402	Sports Psychology	30	70	100
MPCC-403	Value and Environmental Education	30	70	100
MPEC-401/402	1. Dissertation OR 2. Education Technology In Physical Education (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-401	Track and Field IV: Javelin Throw, Hammer Throw, Hurdles (Performance in any two events)	30	70	100
MPPC-402	Games Specialization- IV (First Best) (Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-403	Coaching Lessons of Track and Field	30	70	100
MPPC-404	Coaching Lessons of Game Specializations	30	70	100
	Total	240	560	800

R.M.P.Ed. 16 If a candidate passes in the dissertation but fails in aggregate, the marks obtained by him/her in the dissertation shall be carried forward to subsequent year or years. If a candidate passes in the aggregate and fails in the dissertation, the marks obtained by him/her in the courses shall be carried forward to subsequent year or years and he/she has to submit a new dissertation on a topic other than selected earlier by the student. If a candidate fails in aggregate in the examination held at the end of First, Second, third or fourth Semester, he / she may be exempted from appearing in the examination of such course/courses, where he/she has secured at least 50 percent marks. Candidates whose marks are carried forward under this regulation shall be declared to have passed the examination and shall not be eligible for any University awards.

R.M.P.Ed. 17 As soon as possible after the examination, the board of examination shall publish a list of successful examinee and the degree shall be awarded on the basis of First to Fourth semester taken together.

R.M.P.Ed. 18. Repealed: the Ordinance No. 155 which is existing at present is hereby repealed with immediate effect and all the students those who have taken the admission under this Ordinance are only to be allowed to appear in examination in the year 2015-16 and 2016-17 and after this, no student will be allowed to appear in this examination for any reasons whatsoever. He/She should take the admission afresh under this proposed direction No.20/2015 This is effective from the year 2015-16.

R.M.P.Ed. 19 I further direct that the aforesaid Direction shall come into force from the date of issuance and shall remain in force till the relevant Ordinance comes into force in accordance with the provisions of Maharashtra Universities Act, 1994 and the relevant provisions published by this Direction shall be repealed from the existing Directions.

Sd/-
Dr. SiddharthVinayak Kane
Vice-Chancellor,

Nagpur
Dated :8/9/2015

Curriculum Framework of M. P. Ed. Programme

GUIDELINES OF REGULATIONS AND MODEL SYLLABUS STRUCTURE FOR TWO YEARS M. P. Ed. PROGRAMME (FOUR SEMESTERS)(CBCS) (Corrected & Final)

Important Note:

1. *If the University or affiliating body is following choice based credit system, (CBCS) as approved and circulated by the UGC, the credit hours given in the following curriculum framework need to be considered along with the hours of teaching mentioned for each paper/ activity / course.*
2. *If the University or affiliating bodies have yet to adopt CBCS, only the hours of teaching mentioned for each paper/ activity / course will be considered, the credit in teaching hours may be ignored.*

Preamble:

The Master of Physical Education (M.P.Ed.) two years (Four Semesters, Choice Based Credit System) programme is a professional programme meant for preparing Physical Education Teachers for senior secondary (Class XI and XII) level as well as Assistant Professor/Directors/Sports Officers in Colleges/Universities and teacher educators in College of Physical Education.

The M.P.Ed. programme is designed to integrate the study of childhood, social context of Physical Education, subject knowledge, pedagogical knowledge, aim of Physical Education and communication skills. The programme comprises of compulsory and optional theory as well as practical courses and compulsory school internship in School/ College/Sports Organizations/Sports Academy/Sports Club.

R.M.P.Ed.1.Intake, Eligibility and Admission Procedure:

The Intake, Eligibility and Admission Procedure is as per the NCTE norms and standards.

R. M.P.Ed. 2. Duration:

The M.P.Ed programme is of a duration of two academic years, that is, four semesters. However, the students shall be permitted to complete the programme requirements within a maximum of three years from the date of admission to the programme.

R. M.P.Ed. 3. The CBCS System:

All programmes shall run on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students, to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education.

R. M.P.Ed. 4. Course:

The term course usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise Lectures/ Tutorials/Laboratory Work/ Field Work/ Outreach Activities/ Project Work/ Vocational Training/VIVA/ Seminars/ Term Papers/Assignments/ Presentations/ Self-Study etc. or a combination of some of these.

R. M.P.Ed.5. Courses of Programme:

The M.P.Ed.programmeconsists of a number of courses, the term 'Course' applied to indicate a logical part of subject matter of the programme and is invariably equivalent to the subject matter of a "paper" in the conventional sense. The following are the various categories of courses suggested for the M.P.Ed. Programme.

- **Theory**
 - **Core Course**
 - **Elective Course**
- **Practicum**
 - **Compulsory Course (Track and Field)**
 - **Elective Course**
 - **Teaching/Coaching Practices**
 - **Internship**

R. M.P.Ed.6. Semesters:

An academic year is divided into two semesters. Each semester will consist of 17-20 weeks of academic work equivalent to 100 actual teaching days. The odd semester may be scheduled from May/June to November/Decemberand even semester from November / December to May/June. The institution shall work for a minimum of 36 working hours in a week (five or six days a week).

R. M.P.Ed.7. Working days:

There shall be at least 200 working days per year exclusive of admission and examination processes etc.

R. M.P.Ed. 8. Credits:

The term 'Credit' refers to a unit by which the programme is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or one and half / two hours of practical work/field work per week. The term 'Credit' refers to the weight given to a course, usually in relation to the instructional hours assigned to it. The total minimum credits, required for completing M.P.Ed. programmeis90 credits and for each semester 20 credits.

Provision of Bonus CreditsMaximum06 Credits in each Semester

Sr. No.	Special Credits forte Extra Co-curricular Activities	Credit
1	Sports Achievement atStatelevel Competition (Medal Winner)	1
	Sports Achievement National level Competition (Medal Winner)	2
	Sports participation International level Competition	4
2	Inter Uni. Participation (Any one game)	2
3	Inter College Participation (min. two games)	1
4	National Cadet Corps / National Service Scheme	2
5	Blood donation / Cleanliness drive / Community services /	2
6	Mountaineering – Basic Camp, Advance Camp / Adventure Activities	2
8	News Reporting / Article Writing / book writing / progress report writing	1

Students can earn maximum 06 Bonus credits in each semester by his/her participation in the above mentioned activities duly certified by the Head of the institution / Department. This Bonus credit will be used only to compensate loss of credits in academic activities.

R. M.P.Ed. 9. Evaluation:

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade point. Evaluation for each course shall be done by a continuous internal assessment (CIA) by the concerned course teacher as well as by end semester examination and will be consolidated at the end of course. The components for continuous internal assessment are;

One Test	15 Marks
Assignments / Lab Practical	10 Marks
Attendance	5 Marks
Total	30 Marks

Attendance shall be taken as a component of continuous assessment, although the students should have minimum 75% attendance in each course. In addition to continuous evaluation component, the end semester examination, which will be written type examination of at least 3 hours duration, would also form an integral component of the evaluation. The ratio of marks to be allotted to continuous internal assessment and to end semester examination is 30:70. The evaluation of practical work, wherever applicable, will also be based on continuous internal assessment and on an end-semester practical examination.

R. M.P.Ed. 10. Grading:

Once the marks of the CIA (Continues Internal Assessment) and SEA (Semester End Assessment) for each of the courses are available, both (CIA and SEA) will be added. The marks thus obtained for each of the courses will then be graded as per details provided in R. M.P.Ed. 12 from the first semester onwards the average performance within any semester from the first semester is indicated by Semester Grade Point Average (SGPA) while continuous performance (including the performance of the previous semesters also) starting from the first semester is indicated by Cumulative Grade Point Average (CGPA). These two are calculated by the following formula:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

$$CGPA = \frac{\sum_{j=1}^N SGPA_j}{N}$$

Where C_i is the Credit earned for the course in any semester; G_i is the Grade point obtained by the student for the course and n number of courses obtained in that semester; $SGPA_j$ is SGPA of semester j and N number of semester. Thus CGPA is average of SGPA of all the semesters starting from the first semester to the current semester.

R. M.P.Ed. 11. Classification of Final Results:

For the purpose of declaring a candidate to have qualified for the Degree of Master of Physical Education in the First class / Second Class / Pass Class or First Class with Distinction, the marks and the corresponding CGPA earned by the candidate in Core Courses will be the criterion. It is further provided that the candidate should have scored the First / Second Class separately in both the grand total and end Semester (External) examinations.

R. M.P.Ed.12. Letter Grades and Grade Points:

- i. Two methods-relative grading or absolute grading– have been in vogue for awarding grades in a course. The relative grading is based on the distribution (usually normal distribution) of marks obtained by all the students in the course and the grades are awarded based on a cut-off mark or percentile. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the following grading system, the colleges and universities can use any one of the above methods.
- ii. The grades for each course would be decided on the basis of the percentage marks obtained at the end-semester external and internal examinations as per following table:

Percentage	Grade Point	Latter Grade	Description	Classification of final result
85 & above	8.5-10.0	O	Outstanding	First class with Distinction
70-84.99	7.0-8.49	A ⁺	Excellent	
60-69.99	6.0-6.99	A	Very Good	First Class
55-59.99	5.5-5.99	B+	Good	Higher Second Class
50-54.99	5.0-5.49	B	Above Average	Second Class
40-49.99	4.0-4.99	C	Average	Pass Class
Below 40	0.0	F	Fail/ Dropped	Dropped
	0	AB	Absent	

R. M.P.Ed.13. Grade Point Calculation

Calculation of **Semester Grade Point Average (SGPA)** and **Credit Grade Point (CGP)** and declaration of class for M. P. Ed. Programme.

The credit grade points are to be calculated on the following basis:

$$SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$$

Example – I

Marks obtained by Student in course MPCC101 = 65/100

Percentage of marks = 65 %

Grade from the conversion table is = A

Grade Point = 6.0 + 5 (0.99/9.99)

= 6.0 + 5x0.1

= 6.0+ 0.5

=6.5

The Course Credits = 03

Credits Grade Point (CGP) = 6.5 × 03 = 19.5

The semester grade point average (SGPA) will be calculated as a weighted average of all the grade point of the semester courses. That is Semester grade point average (SGPA) = (sum of grade points of all eight courses of the semester) / total credit of the semester as per example given below:

SEMESTER-1

Courses Code.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-101	3	65	A	6.5	19.5
MPCC-102	3	60	A	6	18
MPCC-103	3	62	A	6.2	18.6
MPEC-101/MPEC-102	3	57	B+	5.7	17.1
MPPC-101	3	55	B+	5.5	16.5
MPPC-102	3	72	A+	7.2	21.6
MPPC-103	3	66	A	6.6	19.8
MPPC - 104	3	72	A+	7.2	21.6
	24				152.7

Examples: Conversion of marks into grade points

MPCC-101 $65 = 60 + 5 = 6.0 + 5 \times (0.99 / 9.99) = 6.0 + 5 \times 0.1 = 6.0 + 0.5 = 6.5$

MPCC-102 $60 = 6.0$

MPCC-103 $62 = 60 + 2 = 6.0 + 2 \times (0.99/9.99) = 6.0 + 2 \times 0.1 = 6.0 + 0.2 = 6.2$

MPEC-101/MPEC-102 $57 = 55 + 2 = 5.5 + 2 \times (0.49 / 4.99) = 5.5 + 2 \times 0.1 = 5.5 + 0.2 = 5.7$

MPPC-101 $55 = 5.5$

MPPC-102 $72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$

MPPC-103 $66 = 60 + 6 = 6.0 + 6 \times (0.99 / 9.99) = 6.0 + 6 \times 0.1 = 6.0 + 0.6 = 6.6$

MPPC - 104 $72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$

SEMESTER GRADE POINT AVERAGE (SGPA) = Total Credit Grade Points

= $152.7/24 = 6.3625$

SGPA Sem. I = 6.3625

At the end of Semester-1

Total SGPA = 6.3625

Cumulative Grade Point Average (CGPA) = $6.3625/1 = 6.3625$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-2

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-201	3	76	A+	7.6	22.8
MPCC-202	3	64	A	6.4	19.2
MPCC-203	3	59	B+	5.9	17.7
MPEC-201/MPEC-202	3	80	A+	8	24
MPPC-201	3	49	C	4.9	14.7
MPPC-202	3	64	A	6.4	19.2
MPPC-203	3	55	B+	5.5	16.5
MPPC - 204	3	72	A+	7.2	21.6
	24				155.7

SGPA Sem. II = 6.4875

At the end of Semester-2

Total SGPA for two Semesters = 12.85

Cumulative Grade Point Average (CGPA) = $12.85/2 = 6.425$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-3

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-301	3	64	A	6.4	19.2
MPCC-302	3	64	A	6.4	19.2
MPCC-303	3	59	B+	5.9	17.7
MPEC-301/MPEC-302	3	81	A+	8.1	24.3
MPPC-301	3	49	C	4.9	14.7
MPPC-302	3	64	A	6.4	19.2
MPPC-303	3	68	A	6.8	20.4
MPPC – 304	3	75	A+	7.5	22.5
	24				157.2

SGPA Sem. III = 6.55

At the end of Semester-3

Total SGPA for three Semesters = 19.4

Cumulative Grade Point Average (CGPA) = $19.4/3 = 6.466667$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-4

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
MPCC-401	3	83	A+	8.3	24.9
MPCC-402	3	76	A+	7.6	22.8
MPCC-403	3	59	B+	5.9	17.7
MPEC-401/MPEC-402	3	81	A+	8.1	24.3
MPPC-401	3	49	C	4.9	14.7
MPPC-402	3	78	A+	7.8	23.4
MPPC-403	3	81	A+	8.1	24.3
MPPC-404	3	75	A+	7.5	22.5
	24				174.6

SGPA Sem. IV = 7.275

At the end of Semester-4

Total SGPA for all the four semesters = 26.675

Cumulative Grade Point Average (CGPA) = $26.675 /4 = 6.66875$

CGPA = 6.66875, Grade = A, Class = First Class

Note:

(1) SGPA is calculated only if the candidate passes in all the courses i.e. get minimum C grade in all the courses.

(2) CGPA is calculated only when the candidate passes in all the courses of all the previous and current semesters.

(3)The cumulative grade point average will be calculated as the average of the SGPA of all the semesters continuously, as shown above.

(4)For the award of the class, CGPA shall be calculated on the basis of:

(a) Marks of each Semester End Assessment And

(b) Marks of each Semester Continuous Internal Assessment for each course. The final Class for M.P.Ed. Degree shall be awarded on the basis of last CGPA (grade) from one to four semester examinations.

R. M.P.Ed.14. Grievance Redressal Committee:

The college/department shall form a Grievance Redressal Committee for each course in each college/department with the course teacher / Principal / Director and the HOD of the faculty as the members. This Committee shall solve all grievances of the students.

R. M.P.Ed.15. Revision of Syllabi:

7. Syllabi of every course should be revised according to the NCTE.
8. Revised Syllabi of each semester should be implemented in a sequential way.
9. In courses, where units / topics related to governmental provisions, regulations or laws, that change to accommodate the latest developments, changes or corrections are to be made consequentially as recommended by the Academic Council.
10. All formalities for revisions in the syllabi should be completed before the end of the semester for implementation of the revised syllabi in the next academic year.
11. During every revision, up to twenty percent of the syllabi of each course should be changed so as to ensure the appearance of the students who have studied the old (unrevised) syllabi without any difficulties in the examinations of revised syllabi.
12. In case, the syllabus of any course is carried forward without any revision, it shall also be counted as revised in the revised syllabi.

Semester - I

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-101	Research Process in Physical Education & Sports Sciences	3	3	30	70	100
MPCC-102	Physiology of Exercise.	3	3	30	70	100
MPCC-103	Yogic Sciences	3	3	30	70	100
Elective Course (Anyone)						
MPEC-101	Tests, Measurement and Evaluation in Physical Education	3	3	30	70	100
MPEC-102	Sports Technology					
Part-B Practical Course						
MPPC-101	<u>Track and Field</u> Running Events – 100 / 200 Mts. Run, Jumping Events - Long Jump / High Jump, Throwing Events - Shot Put / Discus / Javelin, 30 SuryaNamaskar, Gymnastic/Swimming	6	3	30	70	100
MPPC-102	Laboratory Practical Sports Psychology, Physiology of Exercise, Sports Biomechanics and Kinesiology (Two practicals for each subject)	6	3	30	70	100
MPPC-103	Yoga *Aerobics/ Self Defence Techniques-Martial Arts, Taek-won-do/ Shooting/ Archery – (*Any One activity + Yoga)	6	3	30	70	100
MPPC-104	Adventure Activities/ Mass demonstration Activities-	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - II

PartA:TheoreticalCourse						
Course Code	TitleofthePapers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-201	Applied Statistics in Physical Education & Sports	3	3	30	70	100
MPCC-202	Sports Biomechanics & Kinesiology	3	3	30	70	100
MPCC-203	Athletic Care and Rehabilitation	3	3	30	70	100
Elective Course (Anyone)						
MPEC-201	Sports Journalism and Mass Media	3	3	30	70	100
MPEC-202	Sports Management and Curriculum Designs in Physical Education					
Part-B PracticalCourse						
MPPC-201	Track and Field II: Jumping events + Hurdles *Gymnastics/ *Swimming (*any one)	6	3	30	70	100
MPPC-202	Games Specialization- Kabaddi, Kho-Kho, Badminton/ Table Tennis/ Tennis/ Squash/ Baseball/ Volleyball/ Basketball/ Cricket/ football/ Handball/ Hockey/ Netball/ Softball (Any two games.)	6	3	30	70	100
MPPC-203	Teaching Lessons of Indigenous Activities and Sports- 5 Lessons(4 Internal & 1 External)	6	3	30	70	100
MPPC-204	Class room Teaching Lessons on theory of different Sports & Games- 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - III

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-301	Scientific Principles of Sports Training	3	3	30	70	100
MPCC-302	Sports Medicine	3	3	30	70	100
MPCC-303	Health Education and Sports Nutrition	3	3	30	70	100
Elective Course (Anyone)						
MPEC-301	Sports Engineering	3	3	30	70	100
MPEC-302	Physical Fitness and Wellness					
Part-B Practical Course						
MPPC-301	Track and Field III: Throwing Events+introduction of Heptathlon event. *Gymnastics/*Swimming (*Any One)	6	3	30	70	100
MPPC-302	Games Specialization- III Boxing/ Fencing/ Judo/ Karate/ Wrestling/Wushu(Any Two)	6	3	30	70	100
MPPC-303	Coaching Lessons of Track and Field/ Gymnastics/ Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC-304	Coaching Lessons of Game Specialization- 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

Semester - IV

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
MPCC-401	Information & Communication Technology (ICT) in Physical Education	3	3	30	70	100
MPCC-402	Sports Psychology	3	3	30	70	100
MPCC-403	Value and Environmental Education	3	3	30	70	100
Elective Course (Anyone)						
MPEC-401	Dissertation	3	3	30	70	100
MPEC-402	Education Technology in Physical Education					
Part-B Practical Course						
MPPC-401	Track and Field Introduction of Decathlon event *Gymnastics *Swimming Practical Skill (*any one)	6	3	30	70	100
MPPC-402	Games Specialization- Practical skills (any two)	6	3	30	70	100
MPPC-403	Officiating Lessons of Track and Field/Gymnastic/Swimming - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
MPPC-404	Officiating Lessons of Game Specializations - 5 Lessons (4 Internal & 1 External)	6	3	30	70	100
Total		36	24	240	560	800
		144	96	960	2240	3200

Note: Total number of hours required to earn 3 credits for each theory course are 51-60 hours per semester whereas 102-120 hours for each practicum course.

SCHEME OF EXAMINATION
(SEMESTER – I)

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-101	Research Process in Physical Education & Sports Sciences	30	70	100
MPCC-102	Physiology of Exercises	30	70	100
MPCC-103	Yogic Sciences	30	70	100
MPEC-101/102	Tests, Measurement and Evaluation in Physical Education <i>OR</i> Sports Technology (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-101	Track and Field I: Sprint, Middle and Long Distance Running, Long Jump, High Jump (Performance in any one from running + 2 jumping events.)	30	70	100
MPPC-102	Games Specialization- I (Second Best) (Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-103	Yoga Performance in Asanas, Kriyas, Bandhas & Pranayama.	30	70	100
MPPC-104	Class Room Teaching Lessons	30	70	100
	Total	240	560	800

SEMESTER -II

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-201	Applied Statistics in Physical Education & Sports	30	70	100
MPCC-202	Sports Biomechanics & Kinesiology	30	70	100
MPCC-203	Athletic Care and Rehabilitation	30	70	100
MPEC-201/202	1. Sports Journalism and Mass Media. <i>OR</i> 2. Sports Management and Curriculum Designs in Physical Education (Elective)- Any one.	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-201	Track and Field II: Shot Put, Discus Throw, Javelin Throw (Performance in any two events)	30	70	100
MPPC-202	Games Specialization- II (Second Best) Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-203	Teaching Lessons of Track and Field	30	70	100
MPPC-204	Teaching Lessons of Game Specializations	30	70	100
	Total	240	560	800

SEMESTER –III

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-301	Scientific Principles of Sports Training (Lab. Practicals – Tread mill, Bicycle ergometer, strength, endurance & fitness testing.)- Internal.	30	70	100
MPCC-302	Sports Medicine (Lab Practicals)-Internal	30	70	100
MPCC-303	Health Education and Sports Nutrition	30	70	100
MPEC-301/302	Sports EngineeringOR Physical Fitness and Wellness (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-301	Track and Field III: Relay, Triple Jump, Pole Vault (Performance in any two events)	30	70	100
MPPC-302	Games Specialization- III (First Best) Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-303	Officiating Lessons of Track and Field; Game Specializations	30	70	100
MPPC-304	Internship	30	70	100
	Total	240	560	800

SEMESTER -IV

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
MPCC-401	Information& Communication Technology (ICT) in Physical Education	30	70	100
MPCC-402	Sports Psychology	30	70	100
MPCC-403	Value and Environmental Education	30	70	100
MPEC-401/402	1. Dissertation OR 2.Education Technology In Physical Education (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
MPPC-401	Track and Field IV: Javelin Throw, Hammer Throw, Hurdles (Performance in any two events)	30	70	100
MPPC-402	Games Specialization- IV (First Best) (Individual skills, game situation, officiating, lead-up games)	30	70	100
MPPC-403	Coaching Lessons of Track and Field	30	70	100
MPPC-404	Coaching Lessons of Game Specializations	30	70	100
	Total	240	560	800

Semester I Theory Courses

MPCC-101 RESEARCH PROCESS IN PHYSICAL EDUCATION AND SPORTS SCIENCES

UNIT I – Introduction

Meaning and Definition of Research – Need, Nature and Scope of research in Physical Education. Classification of Research, Location of Research Problem, Criteria for selection of a problem, Qualities of a good researcher.

UNIT II – Methods of Research

Descriptive Methods of Research; Survey Study, Case study, Introduction of Historical Research, Steps in Historical Research, Sources of Historical Research: Primary Data and Secondary Data, Historical Criticism: Internal Criticism and External Criticism.

UNIT III – Experimental Research

Experimental Research – Meaning, Nature and Importance, Meaning of Variable, Types of Variables. Experimental Design - Single Group Design, Reverse Group Design, Repeated Measure Design, Static Group Comparison Design, Equated Group Design, Factorial Design.

UNIT IV – Sampling

Meaning and Definition of Sample and Population. Types of Sampling; Probability Methods; Systematic Sampling, Cluster sampling, Stratified Sampling. Area Sampling – Multistage Sampling. Non- Probability Methods; Convenience Sample, Judgement Sampling, Quota Sampling.

UNIT V – Research Proposal and Report

Chapterization of Thesis / Dissertation, Front Materials, Body of Thesis – Back materials. Method of Writing Research proposal, Thesis / Dissertation; Method of writing abstract and full paper for presenting in a conference and to publish in journals, Mechanics of writing Research Report, Footnote and Bibliography writing.

REFERENCE :

- Best J. W (1971) Research in Education, New Jersey; Prentice Hall, Inc
- Clarke David. H & Clarke H, Harrison (1984) Research processes in Physical Education, New Jersey; Prentice Hall Inc.
- Craig Williams and Chris Wragg (2006) Data Analysis and Research for Sport and Exercise Science, London; Routledge Press
- Jerry R Thomas & Jack K Nelson (2000) Research Methods in Physical Activities; Illinois; Human Kinetics;
- Kamlesh, M. L. (1999) Research Methodology in Physical Education and Sports, New Delhi
- Moses, A. K. (1995) Thesis Writing Format, Chennai; Poompugar Pathippagam
- Rothstein, A (1985) Research Design and Statistics for Physical Education, Englewood Cliffs: Prentice Hall, Inc
- Subramanian, R, Thirumalai Kumar S & Arumugam C (2010) Research Methods in Health, Physical Education and Sports, New Delhi; Friends Publication
- Moorthy A. M. Research Processes in Physical Education (2010); Friend Publication, New Delhi

MPCC-102PHYSIOLOGY OF EXERCISE

UNIT I – Skeletal Muscles and Exercise

Macro & Micro Structure of the Skeletal Muscle, Chemical Composition. Sliding Filament theory of Muscular Contraction. Types of Muscle fibre. Muscle Tone, Chemistry of Muscular Contraction – Heat Production in the Muscle, Effect of exercises and training on the muscular system.

UNIT II – Cardiovascular System and Exercise

Heart Valves and Direction of the Blood Flow – Conduction System of the Heart – Blood Supply to the Heart – Cardiac Cycle – Stroke Volume – Cardiac Output – Heart Rate – Factors Affecting Heart Rate – Cardiac Hypertrophy – Effect of exercises and training on the Cardiovascular system.

UNIT III – Respiratory System and Exercise

Mechanics of Breathing – Respiratory Muscles, Minute Ventilation – Ventilation at Rest and During Exercise. Diffusion of Gases – Exchange of Gases in the Lungs – Exchange of Gases in the Tissues – Control of Ventilation – Ventilation and the Anaerobic Threshold. Oxygen Debt – Lung Volumes and Capacities – Effect of exercises and training on the respiratory system.

UNIT IV – Metabolism and Energy Transfer

Metabolism – ATP – PC or Phosphagen System – Anaerobic Metabolism – Aerobic Metabolism – Aerobic and Anaerobic Systems during Rest and Exercise. Short Duration High Intensity Exercises – High Intensity Exercise Lasting Several Minutes – Long Duration Exercises.

UNIT V – Climatic conditions and sports performance and ergogenic aids

Variation in Temperature and Humidity – Thermoregulation – Sports performance in hot climate, Cool Climate, high altitude. Influence of: Amphetamine, Anabolic steroids, Androstenedione, Beta Blocker, Choline, Creatine, Human growth hormone on sports performance. Narcotic, Stimulants: Amphetamines, Caffeine, Ephedrine, Sympathomimetic amines. Stimulants and sports performance.

Note: Laboratory Practicals in Physiology be designed and arranged internally.

REFERENCES:

- Amrit Kumar, R, Moses. (1995). Introduction to Exercise Physiology. Madras: PoompugarPathipagam.
- BeotraAlka, (2000) Drug Education Handbook on Drug Abuse in Sports: Sports Authority of India Delhi.
- Clarke, D.H. (1975). Exercise Physiology. New Jersey: Prentice Hall Inc., Englewood Cliffs.
- David, L Costill. (2004). Physiology of Sports and Exercise. Human Kinetics.
- Fox, E.L., and Mathews, D.K. (1981). The Physiological Basis of Physical Education and Athletics. Philadelphia: Sanders College Publishing.
- Guyton, A.C. (1976). Textbook of Medical Physiology. Philadelphia: W.B. Sanders co.
- Richard, W. Bowers. (1989). Sports Physiology. WMC: Brown Publishers.
- SandhyaTiwaji. (1999). Exercise Physiology. Sports Publishers.
- Shaver, L. (1981). Essentials of Exercise Physiology. New Delhi: Subject Publications.
- Vincent, T. Murche. (2007). Elementary Physiology. Hyderabad: Sports Publication.
- William, D. McAradle. (1996). Exercise Physiology, Energy, Nutrition and Human Performance. Philadelphia: Lippincott Williams and Wilkins Company.

Semester I Theory Courses

MPCC-103 Yogic Sciences

Unit I – Introduction

Meaning and Definition of Yoga. Astanga Yoga: Yama, Niyama, Aasna, Pranayama, Prathyahara, Dharana, Dhyana, Samadhi, Concept of Yogic Practices; Principles of Breathing – Awareness – Relaxation, Sequence – Counter pose – Time – Place – Clothes – Bathing – Emptying the bowels – Stomach – Diet – No Straining – Age – Contra- Indication – Inverted asana – Sunbathing.

Unit II – Aasanas and Pranayam

Loosening exercise: Techniques and benefits. Asanas: Types- Techniques and Benefits, Surya Namaskar: Methods and benefits. Pranayama: Types- Methods and benefits. Nadis: Meaning, methods and benefits, Chakras: Major Chakras- Benefits of clearing and balancing Chakras.

Unit III – Kriyas

Shat Kriyas- Meaning, Techniques and Benefits of Neti – Dharti – Kapalapathi- Trataka – Nauli – Basti, Bandhas: Meaning, Techniques and Benefits of JalendraBandha, JihvaBandha, UddiyanaBandha, MulaBandha.

Unit IV – Mudras

Meaning, Techniques and Benefits of Hasta Mudras, Asamyuktahastam, Samyuktahastam , Mana Mudra, Kaya Mudra, Banda Mudra, Adhara Mudra. Meditation: Meaning, Techniques and Benefits of Meditation – Passive and active, Saguna Meditation and Nirguna Meditation.

Unit V – Yoga and Sports

Yoga Supplemental Exercise – Yoga Compensation Exercise – Yoga Regeneration Exercise- Power Yoga. Role of Yoga in Psychological Preparation of athlete: Mental Wellbeing, Anxiety, Depression Concentration, Self Actualization. Effect of Yoga on Physiological System: Circulatory, Skeletal, Digestive, Nervous, Respiratory, Excretory System.

Note: Laboratory Practicals be designed and arranged internally.

REFERENCE:

George Feuerstein, (1975). Text Book of Yoga. London: MotilalBansaridass Publishers (P) Ltd.

Gore, (1990), Anatomy and Physiology of Yogic Practices. Lonavata: KanchanPrakashan.

Helen Purperhart (2004), The Yoga Adventure for Children. Netherlands: A Hunter House book.

Iyengar, B.K.S. (2000), Light on Yoga. New Delhi: Harper Collins Publishers.

Karbelkar N.V.(1993) PatanjaliYogasutraBhashya (Marathi Edition) Amravati: Hanuman VyayamPrasarakMandal

Kenghe.C.T. (1976). Yoga as Depth-Psychology and para-Psychology (Vol-I): Historical Background, Varanasi: BharataManishai.

Kuvalyananda Swami & S.L. Vinekar, (1963), Yogic Therapy – Basic Principles and Methods. New Delhi: Govt. of India, Central Health Education and Bureau.

Moorthy A.M. & Alagesan. S. (2004) Yoga Therapy. Coimbatore: Teachers Publication House.

Swami Kuvalayanda, (1998), Asanas. Lonavala: Kaivalyadhama.

Swami SatyananadaSarasvati. (1989), Asana Pranayama Mudra Bandha. Munger: Bihar School of Yoga.

Swami SatyanandaSaraswathi. (1984), Kundalini and Tantra, Bihar: Yoga Publications Trust.

Swami Sivananda, (1971), The Science of Pranayama. Chennai: A Divine Life Society Publication.

Thirumalai Kumar. S and Indira. S (2011) Yoga in Your Life, Chennai: The Parkar Publication.

Tiwari O.P. (1998), Asanas-Why and How. Lonavala: Kaivalyadham.

Semester I Theory Courses

MPEC-101

TEST, MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION (Elective)

UNIT I – Introduction

Meaning and Definition of Test, Measurement and Evaluation. Need and Importance of Measurement and Evaluation. Criteria for Test Selection – Scientific Authenticity. Meaning, definition and establishing Validity, Reliability, Objectivity. Norms – Administrative Considerations.

UNIT II – Motor Fitness Tests

Meaning and Definition of Motor Fitness. Test for Motor Fitness; Indiana Motor Fitness Test (for elementary and high school boys, girls and College Men) Oregon Motor Fitness Test (Separately for boys and girls) - JCR test. Motor Ability; Barrow Motor Ability Test –

Newton Motor Ability Test – Muscular Fitness – Kraus Weber Minimum Muscular Fitness Test.

UNIT III – Physical Fitness Tests

Physical Fitness Test: AAHPERD Health Related Fitness Battery (revised in 1984), ACSM Health Related Physical Fitness Test, Roger's physical fitness Index. Cardio vascular test; Harvard step test, 12 minutes run / walk test, Multi-stage fitness test (Beep test)

UNIT IV – Anthropometric and Aerobic-Anaerobic Tests

Physiological Testing: Aerobic Capacity: The Bruce Treadmill Test Protocol, 1.5 Mile Run test for college age males and females. Anaerobic Capacity: Margaria-Kalamen test, Wingate Anaerobic Test, Anthropometric Measurements: Method of Measuring Height: Standing Height, Sitting Height. Method of measuring Circumference: Arm, Waist, Hip, Thigh. Method of Measuring Skin folds: Triceps, Sub scapular, Suprailiac.

UNIT V – Skill Tests

Specific Spots Skill Test: Badminton: Miller Wall Volley Test. Basketball: Johnson Basketball Test, Harrison Basketball Ability Test. Cricket: Sutcliff Cricket test. Hockey: Friendel Field Hockey Test, Harban's Hockey Test, Volleyball, Russel Lange Volleyball Test, Brady Volleyball Test. Football: Mor-Christian General Soccer Ability Skill Test Battery, Johnson Soccer Test, Mc-Donald Volley Soccer Test. Tennis: Dyer Tennis Test.

Note: Practicals of indoor and out-door tests be designed and arranged internally.

REFERENCES :

- Authors Guide (2013) ACSM's Health Related Physical Fitness Assessment Manual, USA: ACSM Publications
- Awasure, Vivek G. & Joshi, A.R. (2015) Test, Measurement & Evaluation in Physical Education, Nagpur : Amit Brothers Publications
- Charde, S.K., Hussain, Showkat & Kanwar, A.R. (2013) Test, Measurement and Evaluation in Physical Education, Nagpur: Amit Brothers Publications
- Collins, R.D., & Hodges P.B. (2001) A Comprehensive Guide to Sports Skills Tests and Measurement (2nd edition) Lanham: Scarecrow Press
- Cureton T.K. (1947) Physical Fitness Appraisal and Guidance, St. Louis: The C. Mosby Company
- Getchell B (1979) Physical Fitness A Way of Life, 2nd Edition New York, John Wiley and Sons, Inc
- Jenson, Clayne R and Cynt ha, C. Hirst (1980) Measurement in Physical Education and Athletics, New York, Macmillan Publising Co. Inc
- Charde, S.K., Hussain, Showkat & Kanwar, A.R. (2013) Test, Measurement and Evaluation in Physical Education, Nagpur: Amit Brothers Publications
- Kansal D.K. (1996), "Test and Measurement in Sports and Physical Education, New Delhi: DVS Publications
- Krishnamurthy (2007) Evaluation in Physical Education and Sports, New Delhi; Ajay Verma Publication
- Vivian H. Heyward (2005) Advance Fitness Assessment and Exercise Prescription, 3rd Edition, Dallas TX: The Cooper Institute for Aerobics Research
- Wilmore JH and Costill DL. (2005) Physiology of Sport and Exercise: 3rd Edition. Champaign IL: Human Kinetics
- Yobu, A (2010), Test, Measurement and Evaluation in Physical Education in Physical Education and Sports. New Delhi; Friends Publications

Semester I
Theory Courses

MPEC-102 SPORTS TECHNOLOGY (Elective)

Unit I – Sports Technology

Meaning, definition, purpose, advantages and applications, General Principles and purpose of instrumentation in sports, Workflow of instrumentation and business aspects, Technological impacts on sports.

Unit II – Science of Sports Materials

Adhesives- Nano glue, nanomoulding technology, Nano turf. Foot wear production, Factors and application in sports, constraints. Foams- Polyurethane, Polystyrene, Styrofoam, closed-cell and open-cell foams, Neoprene, Foam. Smart Materials – Shape Memory Alloy (SMA), Thermo chromic film, High-density modelling foam.

Unit III – Surfaces of Playfields

Modern surfaces for playfields, construction and installation of sports surfaces. Types of materials – synthetic, wood, polyurethane. Artificial turf. Modern technology in the construction of indoor and outdoor facilities. Technology in manufacture of modern play equipments. Use of computer and software in Match Analysis and Coaching.

Unit IV – Modern equipment

Playing Equipments: Balls: Types, Materials and Advantages, Bat/Stick/ Racquets: Types, Materials and Advantages. Clothing and shoes: Types, Materials and Advantages. Measuring equipments: Throwing and Jumping Events. Protective equipments: Types, Materials and Advantages. Sports equipment with nano technology, Advantages.

Unit V – Training Gadgets

Basketball: Ball Feeder, Mechanism and Advantages. Cricket: Bowling Machine, Mechanism and Advantages, Tennis: Serving Machine, Mechanism and Advantages, Volleyball: Serving Machine Mechanism and Advantages. Lighting Facilities: Method of erecting Flood Light and measuring luminous. Video Coverage: Types, Size, Capacity, Place and Position of Camera in Live coverage of sporting events.

Note: Students should be encouraged to design and manufacture improvised sports testing equipment in the laboratory/workshop and visit sports technology factory/ sports goods manufacturers.

REFERENCE:

- Charles J.A. Crane, F.A.A. and Furness, J.A.G. (1987) "Selection of Engineering Materials" UK: Butterworth Heiremann.
- Finn, R.A. and Trojan P.K. (1999) "Engineering Materials and their Applications" UK: Jaico Publisher.
- John Mongilo, (2001), "Nano Technology 101" New York: Green wood publishing group.
- Walia, J.S. Principles and Methods of Education (Paul Publishers, Jullandhar), 1999.
- Kochar, S.K. Methods and Techniques of Teaching (New Delhi, Jullandhar, Sterling Publishers Pvt. Ltd.), 1982
- Kozman, Cassidy and Jackson. Methods in Physical Education (W.B. Saunders Company, Philadelphia and London), 1952.

Semester II Theory Courses

MPCC-201 APPLIED STATISTICS IN PHYSICAL EDUCATION AND SPORTS

UNIT I – Introduction

Meaning and Definition of Statistics. Function, need and importance of Statistics. Types of Statistics. Meaning of the terms, Population, Sample, Data, types of data. Variables; Discrete, Continuous. Parametric and non-parametric statistics.

UNIT II – Data Classification, Tabulation and Measures of Central Tendency

Meaning, uses and construction of frequency table. Meaning, Purpose, Calculation and advantages of Measures of central tendency – Mean, median and mode.

UNIT III – Measures of Dispersions and Scales

Meaning, Purpose, Calculation and advances of Range, Quartile, Deviation, Mean Deviation, Standard Deviation, Probable Error. Meaning, Purpose, Calculation and advantages of scoring scales; Sigma scale, Z Scale, Hull scale

UNIT IV – Probability Distributions and Graphs

Normal Curve. Meaning of probability- Principles of normal curve – Properties of normal curve. Divergence from normality – Skewness and Kurtosis. Graphical Representation in Statistics; Line diagram, Bar diagram, Histogram, Frequency Polygon, Ogive Curve.

UNIT V – Inferential and Comparative Statistics

Tests of significance; Independent "t" test, Dependent "t" test – chi – square test, level of confidence and interpretation of data. Meaning of correlation – co-efficient of correlation – calculation of co-efficient of correlation by the product moment method and rank difference method. Concept of ANOVA and ANCOVA.

Note : It is recommended that the theory topics be accompanied with practical, based on computer software of statistics.

REFERENCE

- Best J. W (1971) Research in Education, New Jersey; Prentice Hall, Inc
- Clark D.H. (1999) Research Problem in Physical Education 2nd edition, Eaglewood Cliffs, Prentice Hall, Inc.

Jerry R Thomas & Jack K Nelson (2000) Research Methods in Physical Activities; Illinois; Human Kinetics;
Kamlesh, M. L. (1999) Research Methodology in Physical Education and Sports, New Delhi
Rothstein A (1985) Research Design and Statistics for Physical Education, Englewood Cliffs: Prentice Hall, Inc
Sivaramakrishnan. S. (2006) Statistics for Physical Education, Delhi; Friends Publication
Thirumalaisamy (1998), Statistics in Physical Education, Karaikudi, Senthilkumar Publications.

Semester II Theory Courses

MPCC-202 SPORTS BIOMECHANICS AND KINESIOLOGY

UNIT I – Introduction

Meaning, nature, role and scope of Applied kinesiology and Sports Biomechanics. Meaning of Axis and Planes, Dynamics, Kinematics, Kinetics, Statics Centre of gravity -Line of gravity plane of the body and axis of motion, Vectors and Scalars.

UNIT II – Muscle Action

Origin, Insertion and action of muscles: Pectoralis major and minor, Deltoid, Biceps, Triceps (Anterior and Posterior), Trapezius, serratus, Sartorius, Rectus femoris, Abdominis, Quadriceps, Hamstring, Gastrocnemius.

UNIT III – Motion and Force

Meaning and definition of Motion. Types of Motion: Linear motion, angular motion, circular motion, uniform motion. Principles related to the law of Inertia, Law of acceleration, and law of counter force. Meaning and definition of force- Sources of force -Force components .Force applied at an angle - pressure -friction -Buoyancy, Spin - Centripetal force - Centrifugal force.

UNIT IV – Projectile and Lever

Freely falling bodies -Projectiles -Equation of projectiles stability Factors influencing equilibrium - Guiding principles for stability -static and dynamic stability. Meaning of work, power, energy, kinetic energy and potential energy. Leverage -classes of lever - practical application. Water resistance - Air resistance -Aerodynamics.

Note: Laboratory practicals should be designed and arranged for students internally.

UNIT V – Movement Analysis

Analysis of Movement: Types of analysis: Kinesiological, Biomechanical. Cinematographic. Methods of analysis – Qualitative, Quantitative, Predictive

REFERENCE:

Choudhary, S., Awasare, V., Datarkar, V., Bhadra, T.(2015) Kinesiology/Biomechanics made Easy. Sholapur (M.S.)
Deshpande S.H.(2002). ManavKriyaVigyan – Kinesiology (Hindi Edition)Amravati :HanumanVyayamPrasarakMandal.
Hoffman S.J. Introduction to Kinesiology (Human Kinesiology publication In.2005.
Steven Roy,& Richard Irvin. (1983). Sports Medicine. New Jersey: Prentice hall.

Thomas. (2001).Manual of structural Kinesiology, New York: Me Graw Hill.
Uppal A.K. Lawrence Mamta MP Kinesiology(Friends Publication India 2004)
Uppal, A (2004), Kinesiology in Physical Education and Exercise Science, Delhi Friends publications.
Williams M (1982) Biomechanics of Human Motion, Philadelphia; Saunders Co.

Semester II Theory Courses

MPCC-203 ATHLETIC CARE AND REHABILITATION

Unit I – Corrective Physical Education

Definition and objectives of corrective physical Education. Posture and body mechanics, Standards of Standing Posture. Value of good posture, Drawbacks and causes of bad posture. Posture test – Examination of the spine.

Unit II – Posture

Normal curve of the spine and its utility, Deviations in posture: Kyphosis, lordosis, flat back, Scoliosis, round shoulders, Knock Knee, Bow leg, Flat foot. Causes for deviations and treatment including exercises.

Unit III – Rehabilitation Exercises

Passive, Active, Assisted, Resisted exercise for Rehabilitation, Stretching, PNF techniques and principles.

Unit IV – Massage

Brief history of massage – Massage as an aid for relaxation – Points to be considered in giving massage – Physiological, Chemical, Psychological effects of massage – Indication / Contra indication of Massage – Classification of the manipulation used massage and their specific uses in the human body – Stroking manipulation: Effleurage – Pressure manipulation: Petrissage Kneading (Finger, Kneading, Circular) ironing Skin Rolling – Percussion manipulation: Tapotement, Hacking, Clapping, Beating, Pounding, Slapping, Cupping, Poking, Shaking Manipulation, Deep massage.

Unit V – Sports Injuries Care, Treatment and Support

Principles pertaining to the prevention of Sports injuries – care and treatment of exposed and unexposed injuries in sports – Principles of apply cold and heat, infrared rays – Ultrasonic, Therapy – Short wave diathermy therapy. Principles and techniques of Strapping and Bandages.

Note: Each student shall submit Physiotherapy record of attending the Clinic and observing the cases of athletic injuries and their treatment procedure. (To be assessed internally)

REFERENCES:

- Doherty, J. Meno. Web, Moder D (2000) Track & Field, Englewood Cliffs, Prentice Hal Inc.
- Lace, M. V. (1951) Massage and Medical Gymnastics, London: J & A Churchill Ltd.
- McOoyand Young (1954) Tests and Measurement, New York: Appleton Century.
- Naro, C. L. (1967) Manual of Massage and, Movement, London: Febra and Febra Ltd.
- Rathbome, J.I. (1965) Corrective Physical education, London: W.B. Saunders & Co.
- Stafford and Kelly, (1968) Preventive and Corrective Physical Education, New York.

Semester II
Theory Courses

MPEC-201 SPORTS JOURNALISM AND MASS MEDIA (Elective)

UNIT I Introduction

Meaning and Definition of Journalism, Ethics of Journalism – Canons of journalism- Sports Ethics and Sportsmanship – Reporting Sports Events. National and International Sports News Agencies.

UNIT II Sports Bulletin

Concept of Sports Bulletin: Journalism and sports education – Structure of sports bulletin – Compiling a bulletin – Types of bulletin – Role of Journalism in the Field of Physical Education: Sports as an integral part of Physical Education – Sports organization and sports journalism – General news reporting and sports reporting.

UNIT III Mass Media

Mass Media in Journalism: Radio and T.V. Commentary – Running commentary on the radio – Sports expert's comments. Role of Advertisement in Journalism. Sports Photography: Equipment- Editing – Publishing.

UNIT IV Report Writing on Sports

Brief review of Olympic Games, Asian Games, Common Wealth Games World Cup, National Games and Indian Traditional Games. Preparing report of an Annual Sports Meet for Publication in Newspaper. Organization of Press Meet.

UNIT –V Journalism

Sports organization and Sports Journalism – General news reporting and sports reporting. Methods of editing a Sports report. Evaluation of Reported News. Interview with and elite Player and Coach.

Practical assignments to observe the matches and prepare report and news of the same; visit to News Paper office and TV Centre to know various departments and their working. Collection of Album of newspaper cuttings of sports news.

REFERENCE:

Ahiya B.N. (1988) Theory and Practice of Journalism: Set to Indian context Ed3. Delhi :Surjeet Publications

Ahiya B.N. Chobra S.S.A. (1990) Concise Course in Reporting. New Delhi: Surjeet Publication

Bhatt S.C. (1993) Broadcast Journalism Basic Principles. New Delhi. Haranand Publication

Dhananjay Joshi (2010) Value Education in Global Perspective. New Delhi: Lotus Press.

Kannan K (2009) Soft Skills, Madurai: Madurai: Yadava College Publication

MohitChakrabarti (2008): Value Education: Changing Perspective, New Delhi: Kanishka Publication,.

Padmanabhan. A &Perumal A (2009), Science and Art of Living, Madurai: Pakavathi Publication

Shiv Khera (2002), You Can Win, New Delhi: Macmillan India Limited.

Varma A.K. (1993) Journalism in India from Earliest Times to the Present Period. Sterling publication Pvt. Ltd.

Venkataiah. N (2009) Value Education,- New Delhi: APH Publishing Corporation. 43

Semester II
Theory Courses

**MPEC-202 SPORTS MANAGEMENT AND CURRICULUM DESIGN IN
PHYSICAL EDUCATION(Elective)**

UNIT I – Introduction to Sports Management

Definition, Importance. Basic Principles and Procedures of Sports Management. Functions of Sports Management. Personal Management: Objectives of Personal Management, Personal Policies, Role of Personal Manager in an organization, Personnel recruitment and selection.

UNIT II – Program Management

Importance of Programme development and the role of management, Factors influencing programme development. Steps in programme development, Competitive Sports Programs, Benefits, Management Guidelines for School, Colleges Sports Programs, Management Problems in instruction programme, Community Based Physical Education and Sports program.

UNIT III – Equipments and Public Relation

Purchase and Care of Supplies of Equipment, Guidelines for selection of Equipments and Supplies, Purchase of equipments and supplies, Equipment Room, Equipment and supply Manager. Guidelines for checking, storing, issuing, care and maintenance of supplies and equipments. Public Relations in Sports: Planning the Public Relation Program – Principles of Public Relation – Public Relations in School and Communities – Public Relation and the Media.

UNIT IV – Curriculum

Meaning and Definition of Curriculum. Principles of Curriculum Construction: Students centred, Activity centred, Community centred, Forward looking principle, Principles of integration, Theories of curriculum development, Conservative (Preservation of Culture), Relevance, flexibility, quality, contextually and plurality. Approaches to Curriculum; Subject centred, Learner centred and Community centred, Curriculum Framework.

UNIT V – Curriculum Sources

Factors that affecting curriculum: Sources of Curriculum materials – text books – Journals – Dictionaries, Encyclopaedias, Magazines, Internet. Integration of Physical Education with other Sports Sciences – Curriculum research, Objectives of Curriculum research – Importance of Curriculum research. Evaluation of Curriculum, Methods of evaluation.

Reference:

- Aggarwal, J.C (1990). Curriculum Reform in India – World overviews, Doaba World Education Series – 3 Delhi: Doaba House, Book seller and Publisher.
- Arora, G.L. (1984): Reflections on Curriculum, New Delhi: NCERT.
- Bonnie, L. (1991). The Management of Sports. St. Louis: Mosby Publishing Company, Park House.
- Bucher A. Charles, (1993) Management of Physical Education and Sports (10th ed.,) St. Louis: Mobsy Publishing Company.

- Carl, E, Willgoose. (1982). Curriculum in Physical Education, London: Prentice Hall.
- Chakraborty&Samiran.(1998). Sports Management. New Delhi: Sports Publication.
- Charles, A, Bucher & March, L, Krotee.(1993). Management of Physical Education and Sports. St. Louis: Mosby Publishing Company.
- Chelladurai, P. (1999). Human Resources Management in Sports and Recreation.Human Kinetics.
- Choudhari, S. (2015) Management in Physical Education. New Delhi: Sports Publications
- John, E, Nixon & Ann, E, Jewett. (1964). Physical Education Curriculum, New York: The Ronald Press Company.
- McKernan, James (2007) Curriculum and Imagination: Process, Theory, Pedagogy and Action Research,. U.K. Routledge
- NCERT (2000). National Curriculum Framework for School Education, New Delhi: NCERT.
- NCERT (2000). National Curriculum Framework for School Education, New Delhi: NCERT.
- NCERT (2005). National Curriculum Framework, New Delhi: NCERT.
- NCERT (2005). National Curriculum Framework-2005, New Delhi: NCERT.
- Williams, J.F. (2003). Principles of Physical Education. Meerut: College Book House.
- Yadvnider Singh. Sports Management, New Delhi: Lakshay Publication.

Semester III Theory Courses

MPCC-301SCIENTIFIC PRINCIPLES OF SPORTS TRAINING

UNIT I – Introduction

Sports training: Definition – Aim, Characteristics, Principles of Sports Training, Over Load: Definition, Causes of Over Load, Symptoms of Overload, Remedial Measures – Super Compensation – Altitude Training – Cross Training

UNIT II – Components of Physical Fitness

Strength: Methods to improve Strength: Weight Training, Isometric, Isotonic, Circuit Training, Speed: Methods to Develop Speed: Repetition Method, Downhill Run, Parachute Running, Wind Sprints, Endurance, Methods to Improve Endurance: Continuous Method, Interval Method, Repetition Method, Cross Country, Fartlek Training

UNIT III – Flexibility

Flexibility: Methods to Improve the Flexibility- Stretch and Hold Method, Ballistic Method, Special Type Training: Plyometric Training. Training for Coordinative abilities: Methods to improve Coordinative abilities: Sensory Method, Variation in Movement Execution Method, Variation in External Condition Method, Combination of Movement Method, Types of Stretching Exercises.

UNIT IV – Training Plan

Training Plan: Macro Cycle, Meso-Cycle. Short Term Plan and Long Term Plans - Periodisation: Meaning, Single, Double and Multiple Periodisation, Preparatory Period, Competition Period and Transition Period.

UNIT V – Doping

Definition of Doping – Side effects of drugs – Dietary supplements – IOC list of doping classes and methods. Blood Doping – The use of erythropoietin in blood boosting – Blood doping control – The testing programmes – Problems in drug detection – Blood testing in doping control – Problems with the supply of medicines Subject to IOC regulations : over-the-counter drugs (OTC) – prescription only medicines (POMs) – Controlled drugs (CDs). Reporting test results – Education

REFERENCES :

- BeotraAlka, (2000), Drug Education Handbook on Drug Abuse in Sports. Delhi: Sports Authority of India.
- Bunn, J.N. (1998) Scientific Principles of Coaching, New Jersey Engle Wood Cliffs, Prentice Hall Inc.
- Cart, E. Klafs&Daniel, D. Arnheim (1999) Modern Principles of Athletic Training St. Louis C. V. Mosphy Company
- Daniel, D. Arnheim (1991) Principles of Athletic Training, St. Luis, Mosby Year Book
- David R. Mottram (1996) Drugs in Sport, School of Pharmacy, Liverpool: John Moore University
- Gary, T. Moran (1997) – Cross Training for Sports, Canada : Human Kinetics
- Hardayal Singh (1991) Science of Sports Training, New Delhi, DVS Publications
- Jensen, C.R. & Fisher A.G. (2000) Scientific Basis of Athletic Conditioning, Philadelphia
- Ronald, P. Pfeiffer (1998) Concepts of Athletics Training 2nd Edition, London: Jones and Bartlett Publications
- YograjThani (2003), Sports Training, Delhi : Sports Publications

Semester III Theory Courses

MPCC-302 SPORTS MEDICINE

UNIT I – Introduction

Meaning, definition and importance of Sports Medicine, Definition and Principles of therapeutic exercises. Coordination exercise, Balance training exercise, Strengthening exercise, Mobilization exercise, Gait training, Gym ball exercise Injuries: acute, sub-acute, chronic. Advantages and Disadvantages of PRICE, PRINCE therapy, Aquatic therapy.

UNIT II – Basic Rehabilitation

Basic Rehabilitation: Strapping/Tapping: Definition, Principles Precautions Contraindications. Proprioceptive neuromuscular facilitation: Definition hold, relax, repeated contractions. Show reversal technique exercises. Isotonic, Isokinetic, isometric stretching. Definition.Types of stretching, Advantages, dangers of stretching, Manual muscle grading.

UNIT III – Spine Injuries and Exercise

Head, Neck and Spine injuries: Causes, Presentational of Spinal anomalies, Flexion, Compression, Hyperextension, Rotation injuries. Spinal range of motion. Free hand exercises, stretching and strengthening exercise for head neck, spine. Supporting and aiding techniques and equipment for Head, Neck and Spine injuries.

UNIT IV – Upper Extremity Injuries and Exercise

Upper Limb and Thorax Injuries: Shoulder: Sprain, Strain, Dislocation, and Strapping. Elbow: Sprain, Strain, Strapping. Wrist and Fingers: Sprain Strain, Strapping. Thorax, Rib fracture. Breathing exercises, Relaxation techniques, Free hand exercise, Stretching and strengthening exercise for shoulder, Elbow, Wrist and Hand. Supporting and aiding techniques and equipment for Upper Limb and Thorax Injuries.

UNIT V – Lower Extremity Injuries and Exercise

Lower Limb and Abdomen Injuries: Hip: Adductor strain, Dislocation, Strapping. Knee: Sprain, Strain, Strain, Strapping. Ankle: Sprain, Strain, Strapping. Abdomen: Abdominal wall, Contusion, Abdominal muscle strain. Free exercises – Stretching and strengthening exercise for Hip, knee, ankle and Foot. Supporting and aiding techniques and equipment for Lower limb and Abdomen injures.

Practicals: Lab. Practical and visit to Physiotherapy Centre to observe treatment procedure of sports injuries; data collection of sports injury incidences, Visit to TV Centre etc. should be planned internally.,

REFERENCES:

Christopher M. Norris. (1993). Sports Injures Diagnosis and Management for Physiotherapists. East Kilbride: Thomson Litho Ltd.

James, A. Gould & George J. Davies.(1985). Physical Physical Therapy. Toronto: C.V. Mosby Company.

Morris B. Million (1984) Sports Injuries and Athletic Problem. New Delhi: Surjeet Publication.

Pande.(1998). Sports Medicine. New delhi: KhelShitya Kendra

The Encyclopedia of Sports Medicine. (1998). The Olympic Book of Sports Medicine, Australia: Tittel Blackwell Scientific publications.

Practical: Anthropometric Measurements,

Semester III Theory Courses

MPCC-303 HEALTH EDUCATION AND SPORTS NURTITION

Unit - I Health Education

Concept, Dimensions, Spectrum and Determinants of Health

Definition of Health, Health Education, Health Instruction, Health Supervision

Aim, objective and Principles of Health Education

Health Service and guidance instruction in personal hygiene

Unit - II Health Problems in India

Communicable and Non Communicable Diseases

Obesity, Malnutrition, Adulteration in food, Environmental sanitation, Explosive, Population,

Personal and Environmental Hygiene for schools

Objective of school health service, Role of health education in schools

Health Services - Care of skin, Nails, Eye health service, Nutritional service, Health appraisal, Health record, Healthful school environment, first- aid and emergency care etc.

Unit- III – Hygiene and Health

Meaning of Hygiene, Type of Hygiene, dental Hygiene, Effect of Alcohol on Health, Effect of Tobacco on Health, Life Style Management, Management of Hypertension, Management of Obesity, Management of Stress

Unit – IV- Introduction to Sports Nutrition

Meaning and Definition of Sports Nutrition, Role of nutrition in sports, Basic Nutrition guidelines, Nutrients: Ingestion to energy metabolism (Carbohydrate, Protein and Fat), Role of carbohydrates, Fat and protein during exercise.

Unit – V-Nutrition and Weight Management

Concept of BMI (Body mass index), Obesity and its hazard, Dieting versus exercise for weight control Maintaining a Healthy Lifestyle, Weight management program for sporty child, Role of diet and exercise in weight management, Design diet plan and exercise schedule for weight gain and loss.

References:

- Bucher, Charles A. "Administration of Health and Physical Education Programme".
- Delbert, Oberteuffer, et. al." The School Health Education".
- Ghosh, B.N. "Treaties of Hygiene and Public Health".
- Hanlon, John J. "Principles of Public Health Administration" 2003.
- Turner, C.E. "The School Health and Health Education".
- Moss and et. At."Health Education" (National Education Association of U.T.A.)
- Nemir A. "The School Health Education" (Harber and Brothers, New York).
- Nutrition Encyclopedia, edited by Delores C.S. James, The Gale Group, Inc.
- Boyd-Eaton S. et al (1989) The Stone Age Health Programme: Diet and Exercise as Nature Intended. Angus and Robertson.
- Terras S. (1994) Stress, How Your Diet can Help: The Practical Guide to Positive Health Using Diet, Vitamins, Minerals, Herbs and Amino Acids, Thorons.

Semester III Theory Courses

MPEC-301SPORTS ENGINEERING (Elective)

Unit - I Introduction to sports engineering and Technology

Meaning of sports engineering, human motion detection and recording, human performance, assessment, equipment and facility designing and sports related instrumentation and measurement.

Unit - II Mechanics of engineering materials

Concept of internal force, axial force, shear force, bending movement, torsion, energy method to find displacement of structure, strain energy. Biomechanics of daily and common activities –Gait, Posture, Body levers, ergonomics, Mechanical principles in movements such as lifting, walking, running, throwing, jumping, pulling, pushing etc.

Unit- III Sports Dynamics

Introduction to Dynamics, Kinematics to particles – rectilinear and plane curvilinear motion coordinate system. Kinetics of particles – Newton’s laws of Motion, Work, Energy, Impulse and momentum.

Unit- IV Building and Maintenance:

Sports Infrastructure- Gymnasium, Pavilion, Swimming Pool, Indoor Stadium, Out-door Stadium, Play Park, Academic Block, Administrative Block, Research Block, Library, Sports Hostels, etc.

Requirements: Air ventilation, Day light, Lighting arrangement, Galleries, Store rooms, Office, Toilet Blocks (M/F), Drinking Water, Sewage and Waste Water disposal system, Changing Rooms (M/F), Sound System (echo-free), Internal arrangement according to need and nature of activity to be performed, Corridors and Gates for free movement of people, Emergency provisions of lighting, fire and exits, Eco-friendly outersurrounding. Maintenance staff, financial consideration.

Building process:- design phase(including brief documentation), construction phase functional(occupational) life, Re-evaluation, refurbish, demolish.

Maintenance policy, preventive maintenance, corrective maintenance, record and register for maintenance.

Unit – V Facility life cycle costing

Basics of theoretical analysis of cost, total life cost concepts, maintenance costs, energy cost, capital cost and taxation

Reference

- Franz K. F. et. al., Editor, **Routledge Handbook of Sports Technology and Engineering** (Routledge, 2013)
- Steve Hake, Editor, **The Engineering of Sport** (CRC Press, 1996)
- Franz K. F. et. al., Editor **The Impact of Technology on Sports II** (CRC Press, 2007)
- Helge N., **Sports Aerodynamics** (Springer Science & Business Media, 2009)
- Youlin Hong, Editor **Routledge Handbook of Ergonomics in Sport and Exercise** (Routledge, 2013)
- Jenkins M., Editor **Materials in Sports Equipment, Volume I** (Elsevier, 2003)
- Colin White, **Projectile Dynamics in Sport: Principles and Applications**
- Eric C. et al., Editor **Sports Facility Operations Management** (Routledge, 2010)

Semester III
Theory Courses

MPEC-302 PHYSICAL FITNESS AND WELLNESS (Elective)

Unit I – Introduction

Meaning and Definition" of Physical Fitness, Physical Fitness Concepts and Techniques, Principles of physical fitness, Physiological principles involved in human movement. Components of Physical Fitness.

Leisure time physical activity and identify opportunities in the community to participate in this activity. Current trends in fitness and conditioning, components of total health fitness and the relationship between physical activity and lifelong wellness.

Unit II – Nutrition

Nutrients; Nutrition labelling information, Food Choices, Food Guide Pyramid, Influences on food choices-social, economic, cultural, food sources, Comparison of food values. Weight Management-proper practices to maintain, lose and gain. Eating Disorders, Proper hydration, the effects of performance enhancement drugs

Unit III – Aerobic Exercise

Cardio respiratory Endurance Training; proper movement forms, i.e., correct stride, arm movements, body alignment; proper warm-up, cool down, and stretching, monitoring heart rates during activity. Assessment of cardio respiratory fitness and set goals to maintain or improve fitness levels. Cardio respiratory activities including i.e. power walking, pacer test, interval training, incline running, distance running, aerobics and circuits.

Unit IV – Anaerobic Exercise

Resistance Training for Muscular Strength and Endurance; principles of resistance training, Safety techniques (spotting, proper body alignment, lifting techniques, spatial, awareness. and proper breathing techniques). Weight training principles and concepts; basic resistance exercises (including free hand exercise, free weight exercise, weight machines, exercise bands and tubing. medicine balls, fit balls) Advanced techniques of weight training

Unit V – Flexibility Exercise

Flexibility Training, Relaxation Techniques and Core Training. Safety techniques (stretching protocol; breathing and relaxation techniques) types of flexibility exercises (i.e. dynamic, static), Develop basic competency in relaxation and breathing techniques. Pilates, Yoga.

Reference:

David K. Miller & T. Earl Allen, Fitness, A life time commitment, Surjeet Publication Delhi 1989.

Dificore Judy, the complete guide to the postnatal fitness, A & C Black Publishers Ltd. 35 Bedford row, London 1998

Dr. A.K. Uppal, Physical Fitness, Friends Publications(India), 1992. Warner W.K. Oeger& Sharon A. Hoeger, Fitness and Wellness, Morton Publishing Company, 1990.

Elizabeth & Ken day, Sports fitness for women, B.T. Batsford Ltd, London, 1986.

Emily R. Foster, KarynHartiger& Katherine A. Smith, Fitness Fun, Human Kinetics Publishers 2002.

Lawrence, Debbie, Exercise to Music. A & C Black Publishers Ltd. 37, Sohe Square, London 1999

Robert Malt. 90 day fitness plan, D.K. publishing, Inc. 95, Madison Avenue, New York 2001

Semester IV

Theory Courses

MPCC-401 INFORMATION & COMMUNICATION TECHNOLOGY (ICT) IN PHYSICAL EDUCATION

Unit I – Communication & Classroom Interaction

Concept, Elements, Process & Types of Communication
Communication Barriers & Facilitators of communication
Communicative skills of English - Listening, Speaking, Reading & Writing
Concept & Importance of ICT Need of ICT in Education
Scope of ICT: Teaching Learning Process, Publication Evaluation, Research and Administration
Challenges in Integrating ICT in Physical Education

Unit II – Fundamentals of Computers

Characteristics, Types & Applications of Computers Hardware of Computer: Input, Output & Storage Devices Software of Computer: Concept & Types
Computer Memory: Concept & Types
Viruses & its Management
Concept, Types & Functions of Computer Networks Internet and its Applications
Web Browsers & Search Engines Legal & Ethical Issues

Unit III – MS Office Applications

MS Word: Main Features & its Uses in Physical Education
MS Excel: Main Features & its Applications in Physical Education
MS Access: Creating a Database, Creating a Table, Queries, Forms & Reports on Tables and its Uses in Physical Education
MS Power Point: Preparation of Slides with Multimedia Effects
MS Publisher: Newsletter & Brochure

Unit IV – ICT Integration in Teaching Learning Process

Approaches to Integrating ICT in Teaching Learning Process
Project Based Learning (PBL)
Co-Operative Learning
Collaborative Learning
ICT and Constructivism: A Pedagogical Dimension

Unit V – E-Learning & Web Based Learning

E-Learning
Web Based Learning
Visual Classroom

REFERENCES:

B. Ram, New Age International Publication, Computer Fundamental, Third Edition-2006
Brain under IDG Book.India(p) Ltd Teach Yourself Office 2000, Fourth Edition-2001
Douglas E. Comer, The Internet Book, Purdue University, West Lafayette in 2005
Heidi Steel Low price Edition, Microsoft Office Word 2003- 2004
ITL Education Solution Ltd. Introduction to information Technology, Research and Development Wing-2006
Pradeep K. Sinha&Priti;Sinha, Foundations computing BPB Publications -2006.
Rebecca Bridges Altman Peach pit Press, Power point for window, 1999

**Semester IV
Theory Courses**

MPCC-402 SPORTS PSYCHOLOGY

UNIT I - Introduction

Meaning, Definition, History, Need and Importance of Sports Psychology. Present Status of Sports Psychology in India. Motor Learning: Basic Considerations in Motor Learning – Motor Perception – Factors Affecting Perception – Perceptual Mechanism. Personality: Meaning, Definition, Structure – Measuring Personality Traits. Effects of Personality on Sports Performance.

UNIT II - Motivation

Meaning and Definition, Types of Motivation: Intrinsic, Extrinsic. Achievement Motivation: Meaning, Measuring of Achievement Motivation. Anxiety: Meaning and Definition, Nature, Causes, Method of Measuring Anxiety. Competitive Anxiety and Sports Performance. Stress: Meaning and Definition, Causes. Stress and Sports Performance. Aggression: Meaning and Definition, Method of Measurement. Aggression and Sports Performance. Self-Concept: Meaning and Definition, Method of Measurement.

UNIT III – Goal Setting

Meaning and Definition, Process of Goal Setting in Physical Education and Sports. Relaxation: Meaning and Definition, types and methods of psychological relaxation. Psychological Tests: Types of Psychological Test: Instrument based tests: Pass-along test – Tachistoscope – Reaction timer – Finger dexterity board – Depth perception box – Kinesthesiometer board. Questionnaire: Sports Achievement Motivation, Sports Competition Anxiety.

UNIT IV – Sports Sociology

Meaning and Definition – Sports and Socialization of Individual Sports as Social Institution. National Integration through Sports. Fans and Spectators: Meaning and definition, Advantages and disadvantages on Sports Performance. Leadership: Meaning, Definition, types. Leadership and Sports Performance.

UNIT V – Group Cohesion

Group: Definition and Meaning, Group Size, Groups on Composition, Group Cohesion, Group Interaction, Group Dynamics. Current Problems in Sports and Future Directions – Sports Social Crisis Management – Women in Sports: Sports Women in our Society, Participation pattern among Women, Gender inequalities in Sports.

Practicals: *Atleast five experiments related to the topics listed in the Units above should be conducted by the students in laboratory. (Internal assessment.)*

REFERENCES:

- Authors Guide (2013) National Library of Educational and Psychological Test (NLEPT) Catalogue of Tests, New Delhi: National Council of Educational Research and Training Publication.
- Authors Guide (2013) National Library of Educational and Psychological Test (NLEPT) Catalogue of Test, New Delhi: National Council of Educational Research and Training Publication.
- Jain. (2002), Sports Sociology, Heal SahetyKendre Publishers.
- Jay Coakley. (2001) Sports in Society – Issues and Controversies in International Education, Mc-Craw Seventh Ed.
- John D Lauther (2000) Psychology of Coaching. NerJersy: Prenticce Hall Inc.
- John D. Lauther (1998) Sports Psychology. Englewood, Prentice Hall Inc.
- MiroslawVauks& Bryant Cratty (1999).Psychology and the Superior Athlete. London: The Macmillan Co.
- Richard, J. Crisp. (2000). Essential Social Psychology.Sage Publications.
- Robert N. Singer (2001). Motor Learning and Human Performance. New York: The Macmillan Co.
- Robert N. Singer. (1989) The Psychology Domain Movement Behaviour. Philadelphia: Lea and Febiger.
- Thelma Horn. (2002). Advances in Sports Psychology. Human Kinetic.
- Whiting, K, Karman.,..Hendry L.B & Jones M.G. (1999) Personality and Performance in Physical Education and Sports. London: Hendry Kimpton Publishers.

Semester IV Theory Courses

MPCC-403 VALUE AND ENVIRONMENTAL EDUCATION

UNIT I – Introduction to Value Education.

Values: Meaning, Definition, Concepts of Values. Value Education: Need, Importance and Objectives. Moral Values: Need and Theories of Values. Classification of Values: Basic Values of Religion, Classification of Values.

UNIT II – Value Systems

Meaning and Definition, Personal and Communal Values, Consistency, Internally consistent, internally inconsistent, Judging Value System, Commitment, Commitment to values.

Unit- III – Environmental Education

Definition, Scope, Need and Importance of environmental studies., Concept of environmental education, Historical background of environmental education, Celebration of various days in relation with environment, Plastic recycling &prohibition of plastic bag / cover, Role of school in environmental conservation and sustainable development, Pollution free eco-system.

Unit - IV Rural Sanitation and Urban Health

Rural Health Problems, Causes of Rural Health Problems, Points to be kept in Mind for improvement of Rural Sanitation, Urban Health Problems, Process of Urban Health, Services of Urban Area, Suggested Education Activity, Services on Urban Slum Area, Sanitation at Fairs & Festivals, Mass Education.

Unit - V Natural Resources and related environmental issues:

Water resources, food resources and Land resources, Definition, effects and control measures of: Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Thermal Pollution Management of environment and Govt. policies, Role of pollution control board.

REFERENCE:

- Miller T.G. Jr., Environmental Science (Wadsworth Publishing Co.)
Odum, E.P. Fundamentals of Ecology (U.S.A.: W.B. Saunders Co.) 1971.
Rao, M.N. & Datta, A.K. Waste Water Treatment (Oxford & IBH Publication Co. Pvt. Ltd.) 1987
Townsend C. and others, Essentials of Ecology (Black well Science)
Heywood, V.H. and Watson V.M., Global biodiversity Assessment (U.K.: Cambridge University Press), 1995.
Jadhav, H. and Bhosale, V.M. Environmental Protection and Laws (Delhi: Himalaya Pub. House), 1995.
Mc Kinney, M.L. and Schoel, R.M. Environmental Science System and Solution (Web enhanced Ed.) 1996.
Miller T.G. Jr., Environmental Science (Wadsworth Publishing Co.)

**Semester IV
Theory Courses**

MPEC-401 DISSERTATION

1. A candidate shall have dissertation for M.P.Ed. – IV Semester and must submit his/her Synopsis and get it approved by the Head of Department on the recommendation of D.R.C. (Departmental Research Committee).
2. A candidate selecting dissertation must submit his/her dissertation not less than one week before the beginning of the IVth Semester Examination.
3. The candidate has to face the Viva-Voce conducted by DRC.

**Semester IV
Theory Courses**

**MPEC-402 EDUCATION TECHNOLOGY IN PHYSICAL EDUCATION AND
SPORTS**

Unit I – Nature and Scope

Educational technology-concept, Nature and Scope. Forms of educational technology: teaching technology, instructional technology, and behaviour technology; Transactional usage of educational technology: integrated, complementary, supplementary stand-alone (independent); programmed learning stage; media application stage and computer application stage.

Unit II – Systems Approach to Physical Education and Communication

Systems Approach to Education and its Components: Goal Setting, Task Analysis, Content Analysis, Context Analysis and Evaluation Strategies; Instructional Strategies and Media for Instruction. Effectiveness of Communication in instructional system; Communication - Modes, Barriers and Process of Communication.

Unit III- Instructional Design

Instructional Design: Concept, Views. Process and stages of Development of Instructional Design. Overview of Models of Instructional Design; Instructional Design for Competency Based Teaching: Models for Development of Self Learning Material.

Unit IV – Audio Visual Media in Physical Education

Audio-visual media - meaning, importance and various forms Audio/Radio: Broadcast and audio recordings - strengths and Limitations, criteria for selection of instructional units, script writing, pre-production, post-production process and practices, Audio Conferencing and Interactive Radio Conference. Video/Educational Television: Telecast and Video recordings Strengths and limitations, Use of Television and CCTV in instruction and Training, Video Conferencing, SITE experiment, countrywide classroom project and Satellite based instructions. Use of animation films for the development of children's imagination.

Unit V – New Horizons of Educational Technology

Recent innovations in the area of ET interactive video - Hypertext, video-texts, optical fiber technology - laser disk, computer conferencing.etc. Procedure and organization of Teleconferencing/Interactive video-experiences of institutions, schools and universities. Recent experiments in the third world countries and pointers for, India with reference to Physical education. Recent trends of Research in Educational Technology and its future with reference to education.

REFERENCE:

AmitaBhardwaj, New Media of Educational Planning”.Sarup of Sons, New Delhi-2003

Bhatia and Bhatia. The Principles and Methods of Teaching (New Delhi :DoabaHouse), 1959.

Communication and Education, D. N. Dasgupta, Pointer Publishers

Education and Communication for development, O. P. Dahama, O. P. Bhatnagar, Oxford Page 68 of 71IBH Publishing company, New Delhi

Essentials of Educational Technology, MadanLal, Anmol Publications

K. Sampath, A. Pannirselvam and S. Santhanam. Introduction to Educational Technology (New Delhi: Sterling Publishers Pvt. Ltd.) : 1981.

Kochar, S.K. Methods and Techniques of Teaching (New Delhi, Jalandhar, Sterling Publishers Pvt. Ltd.), 1982

Kozman, Cassidy and kJackson. Methods in Physical Education (W.B. Saunders Company,Philadelphia and London), 1952.

**Semester I
Practicum Course**

**MPPC- 101 TRACK AND FIELD I: RUNNING EVENTS/ GYMNASTICS/
SWIMMING.**

Running

- Fundamental skills–Short and Middle distance.
 - Use of Starting blocks- stance on the blocks.
 - Body position at the start- starting technique, change in body position during running, movements of the arms, stride length and frequency, position of torso while running and at finish.
- Advanced Skills Various techniques of sprint start: Bullet start, standing start ,
 -
- Active game practice

**Semester I
Practicum Course**

**MPPC- 102 FLAG HOISTING, MARCH PAST, CEREMONIES LIKE OPENING,
CLOSING, VICTORY,(DURING INTRA MURALS COMPETITIONS) OF
DIFFERENT SPORTS AND GAMES/ LEAD UP GAMES/ MINOR GAMES/ RELAY
GAMES**

National Flag: Meaning, concept and significance of National Flag, Symbolism of Tri-colour and Wheel. Code of hoisting or lowering of Flag, Dimensions of the Flag & tri-colour proportions. Honour of the Flag and its use. Penalty of misusing or dishonouring the Flag..

Opening and Closing Ceremonies: Schedule and formality of Opening Ceremony- Unfurling of Flag, Flame igniting, Oath, March-Past of players/teams, Salutation, Declaration of Opening of the Meet. brief address by the guests, announcement of beginning of competition Victory & Prize distribution Ceremony- Planning of schedule for victory ceremony.

Closing Ceremony: Assembly of sports-persons, March-Past, Salutation, re-assembly, brief address of the guests, Declaration of results and distribution of Prizes/ Certificates, Vote of thanks, Ceremonial Flag-lowering, Flame extinguishing, Declaration of Closing of the Meet.

Practical of the organization of Sports / Athletic Meet during Intramural Programme should be arranged as a project by the students under the supervision of the faculty. Organization of Sports Festival, Play Day, Social Party games, etc. should be encouraged.

Semester I

Practicum Course

MPPC- 103 YOGA/ AEROBICS/ SELF DEFENCE TECHNIQUES-MARTIAL ARTS, TAEK-WON-DO/ SHOOTING/ ARCHERY

Yoga, Asanas prescribed by Maharshi 'Patanjali', ShudhiKriyas, jalneti, sutraneti, dugdhaneti, kunjai, Nauli, Bhastika, shatkriya, Pranayams, Anulom-vilom, Kapalbhathi,

AEROBICS

Rhythmic Aerobics - dance

Low impact aerobics

High impact aerobics

Aerobics kick boxing

Moves

March single, basics, side to side alternate, turn s/a ,double side to side, step touch, grapevine, knee up, leg curl, kick front, toe touch, kick side, side lunge, over the top, back lunge, straddle, kick front, travel s 11. kick side, corner, heel to reft, shape, 'e' shape, shapew, shape, repeater left mode

Warm up and cool down

Being successful in exercise and adaptation to aerobic workout.

SELF DEFENCE TECHNIQUES-MARTIAL ARTS, TAEK-WON-DO/ SHOOTING/ ARCHERY

Semester I Practicum

MPPC-104 ADVENTURE ACTIVITIES/ MASS DEMONSTRATION ACTIVITIES- LEZIM, DUMB-BELL, UMBRELLA, TIPRI, WANDS, HOOPS/ MALKHAMBH

ADVENTURE ACTIVITIES: Trekking, Wall climbing, River crossing, Mountaineering, etc

MASS DEMONSTRATION ACTIVITIES- lezim, dumb-bell, umbrella, tipri, wands, hoops, free arms drill, folk dances,etc.(*Students are expected to learn and organize mass drill in school situation*)

- Apparatus/ Light apparatus Grip
- Attention with apparatus/ Light apparatus
- Stand – at – ease with apparatus/ light apparatus
- Exercise with verbal command,drum, whistle and music – Two count, Four count, Eight count and Sixteen count.
- Standing Exercise
- Jumping Exercise
- Moving Exercise
- Combination of above all

MALKHAMB: Table of Exercises on Malkhamb should be prepared internally for teaching .

General out-line of the contents of teaching of theory of Games and Sports

Introduction of the game/sport and historical development with special reference to India, Orientation of the students to the play area and equipment used in the game/sport, Important tournaments held at National and International levels, Distinguished sports awards and personalities related to the Game/sport. Warming-up- General free hand exercises, specific work out using equipment. Fundamental skills, Lead up activities, General rules and their interpretations, Duties of officials, officiating in class competitions and Intramurals, Marking of the play area.

Semester II

Practicum Course

MPPC- 201 TRACK AND FIELD II: JUMPING EVENTS

/ SWIMMING / GYMNASTICS

(Course contents in Gymnastics and Swimming should be chalked out internally considering advance level of students and suitable to their age and gender).

Semester II

Practicum Course

MPPC-202 GAMES SPECIALIZATION II

The Candidate has choice to select any one of the following games as the Specialization – II (Second best) in 2nd Semester.

(Kabaddi, Kho-kho, Badminton/ Table Tennis/ Tennis/ Squash/ Baseball/ Volleyball/ Basketball/ Cricket/ football/ Handball/ Hockey/ Netball/ Softball)

Semester II

Practicum Course

MPPC-203 TEACHING LESSONS OF INDIGENIOUS ACTIVITIES AND SPORTS

The students of M.P.Ed – II Semester need to develop proficiency in taking teaching classes in indigenous activities and sport under school situation. In view of this, the students shall be provided with teaching experience. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the class they are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the second semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these lessons, the duration should slowly increase and all the parts of the lesson covered progressively.

Semester II Practicum Course

MPPC-204 CLASS ROOM TEACHING

(LESSONS ON THEORY OF DIFFERENT SPORTS & GAMES)

The students of M.P.Ed – II Semester need to develop proficiency in taking teaching lessons as per selected games and sport or game specialization. In view of this, the students shall be provided with selected or specialized game teaching experience. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the class they are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the second semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these teaching lessons, the duration should slowly increase and all the parts of the lesson covered progressively.

**Semester III
Practicum Course**

**MPPC- 301 TRACK AND FIELD III: THROWING EVENTS/
GYMNASTICS/SWIMMING**

(Course contents in Gymnastics and Swimming should be chalked out internally considering advance level of students and suitable to their age and gender).

**Semester III
Practicum Course**

**MPPC-302 GAMES SPECIALIZATION- III BOXING/ FENCING/ JUDO/ KARATE/
WRESTLING/ WUSHU**

(Course contents in the game of specialization should be chalked out internally considering advance level of students and suitable to their age and gender).

**Semester III
Practicum Course**

**MPPC-303 COACHING LESSONS OF TRACK AND FIELD/ GYMNASICS/
SWIMMING**

The students of M.P.Ed – III Semester need to develop proficiency in taking coaching lesson on above mentioned selected discipline. In view of this, the students shall be provided with advance training and coaching in selected discipline. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the class, they are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the third semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these coaching lessons, the duration should slowly increase and all the parts of the lesson covered progressively.

**Semester III
Practicum Course**

MPPC-304 COACHING LESSONS OF GAME SPECIALIZATIONS

The students of M.P.Ed – III Semester need to be develop proficiency in taking coaching lesson in selected game discipline. In view of this, the students shall be provided with advance training and coaching in selected discipline. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the class they are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the third semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these coaching lessons, the duration should slowly increase and all the parts of the lesson covered progressively.

**Semester IV
Practicum Course**

MPPC- 401 TRACK AND FIELD/ SWIMMING/ GYMNASTICS

(Course contents in Gymnastics and Swimming should be chalked out internally considering advance level of students and suitable to their age and gender. Practical Skill Test any one out of these after completion of syllabus)

**Semester IV
Practicum Course**

MPPC-402 GAMES SPECIALIZATION

(Course contents in game or sport of specialization should be chalked out internally considering advance level of students and suitable to their age and gender .Practical skill test- any two)

**Semester IV
Practicum Course**

**MPPC-403 OFFICIATING LESSONS OF TRACK AND FIELD/ GYMNASTICS/
SWIMMING**

The students of M.P.Ed – IV Semester need to develop proficiency in taking officiating lesson on selected above discipline. In view of this, the students shall be provided with

advance mechanism of officiating in selected discipline. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the classtimethey are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the fourth semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these officiatinglessons, the duration should slowly increase and all the parts of the lesson covered progressively.

Semester IV Practicum Course

MPPC-404 OFFICIATING LESSONS OF GAME SPECIALIZATIONS

The students of M.P.Ed – IV Semester need to be develop proficiency in taking officiating lesson on selected game specialization. In view of this, the students shall be provided with advance mechanism of officiating in selected game specialization. The duration of the lesson to be conducted by these students shall be in the range of 30 to 40 minutes depending on the classtimethey are going to handle at school and college level.

Each student teacher is expected to take at least five lessons during the course of the fourth semester. The lessons will be supervised by the faculty members and experts who would discuss the merits and demerits of the concerned lesson and guide them for the future. In these officiatinglessons, the duration should slowly increase and all the parts of the lesson covered progressively.

Note: Where ever details of any activities are not mentioned, it is expected to elaborate skills by the competent bodies of local Universities/ Autonomous Colleges.

Table – 1: Semester wise distribution of hours per week

<i>Semester</i>	<i>Theory</i>	<i>Practicum</i>	<i>Teaching practice</i>	<i>Total</i>
<i>I</i>	<i>12</i>	<i>18</i>	<i>6</i>	<i>36</i>
<i>II</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>36</i>
<i>III</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>36</i>
<i>IV</i>	<i>12</i>	<i>12</i>	<i>12</i>	<i>36</i>
<i>Total</i>	<i>48</i>	<i>54</i>	<i>42</i>	<i>144</i>
<i>Minimum of 36 teaching hours per week is required in five or six days in a week</i>				

Table – 2: Number of credits per semester

Semester	Theory	Practicum	Teaching practice	Total
<i>I</i>	12	09	03	24
<i>II</i>	12	06	06	24
<i>III</i>	12	06	06	24
<i>IV</i>	12	06	06	24
<i>Total</i>	48	27	21	96
<i>Minimum of 36 teaching hours per week is required in five or six days in a week</i>				

**Rashtra Sant Tukadoji Maharaj
Nagpur University, Nagpur**

**CBS : Bachelor of Physical
Education
(B.P.Ed.) CURRICULUM
(For Two Years)**

**Proposed Direction, Regulations
and CBS B.P.Ed. Curriculum
Semester - I to IV**

Effect From:- 2015-2017

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
Direction No. 19 of 2015

Direction issued under section 14(8) of the Maharashtra Universities Act, 1994, relating to Bachelor of Physical Education, first to last semester in Credit based Semester Pattern for the award of Degree of Bachelor of Physical Education (Two years degree course), Full Time in the Faculty of Education.

Whereas, the Maharashtra Universities Act No. XXXV of 1994 has come into force with effect from 22nd July, 1994.

AND

Whereas, the National Council of Teacher Education (NCTE) vide its notification no.51-1/2014 dated 28/11/2014, issued (Recognition, Norms and Procedure) Regulation, 2014. The earlier notification (Recognition, Norms and Procedure) Regulation, 2009 (NCTE) has been repealed.

AND

WHEREAS, National Council of Teacher Education (NCTE) notification No. 51-1/2014 dated 28/11/2014 accepted by the Maharashtra State and the RTM Nagpur University and came into the force from 28/11/2014.

AND

Whereas, the Dean of the Faculty of Education has concurred with the recommendations of the Board of Studies in Physical Education in the Faculty of Education on 26th August 2015.

AND

Whereas, the Board of Studies in Physical Education and faculty of Education at its meeting held on 26th August 2015., have decided to make amendments related to B.P.Ed. first to last semester, in Credit based Semester Pattern for award of degree of **Bachelor of Physical Education(Two years degree course)**, of Full time in the Faculty of Education.

AND

Whereas, the Faculty of Education has consented to the draft direction for the award of B.P.Ed, degree in its meeting held on 26th August 2015..This Direction shall come into force from the date of its issuance.

Now, therefore, I, **Dr. Sidharthvinayak Kane Vice-chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in exercise of powers vested in me under section 14(8) of the Maharashtra Universities Act, 1994, do hereby issue the following Direction pertaining to the amendment as made for B.P.Ed., first to last semester in Credit based Semester Pattern for award of B.P.Ed. degree in the Faculty of Education.

1. This Direction shall be called “Direction regarding Credit based Semester Pattern Scheme and Examination leading to B.P.Ed., first to last semester in Credit based Semester Pattern in the Faculty of Education, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
2. Subject to the compliance with the provisions of this Direction and any other Ordinance which is in force from time to time shall be applicable.

R.B.P.Ed. 1.Eligibility

Intake, Eligibility and Admission Procedure as per the NCTE norms and standards

R. B.P.Ed. 2. Duration:

The B.P.Ed programme shall be of a duration of two academic years, that is, four semesters. However, the students shall be permitted to complete the programme requirements within a maximum of three years from the date of admission to the programme.

R. B.P.Ed. 3. The CBCS System:

All Programmes shall run on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students, to keep pace with the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education.

R. B.P.Ed 4. Course:

The term course usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.

R. B.P.Ed. 5. Courses of Programme:

The B.P.Ed. Programme consists of a number of courses, the term 'Course' applied to indicate a logical part of subject matter of the programme and is invariably equivalent to the subject matter of a "paper" in the conventional sense. The following are the various categories of courses suggested for the B.P.Ed. Programme.

Theory:

Core Course:

Elective Course:

Practicum: Teaching

Practices:

R. B.P.Ed.6. Semesters:

An academic year is divided into two semesters. Each semester will consist of 17-20 weeks of academic work equivalent to 100 actual teaching days. The odd semester may be scheduled from May/June to November/December and even semester from November / December to May/June. The institution shall work for a minimum of 36 working hours in a week (five or six days a week).

R. B.P.Ed.7. Working days:

There shall be at least 200 working days per year exclusive of admission and examination processes etc.

R. B.P.Ed 8. Credits:

The term 'Credit' refers to a unit by which the programme is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or one and half / two hours of practical work/field work per week. The term 'Credit' refers to the weight given to a course, usually in relation to the instructional hours assigned to it. The total minimum credits, required for completing a B.P.Ed. Programme is 90 credits and for each semester 20 credits.

Provision of Bonus Credits Maximum 06 Credits in each Semester

Sr. No.	Special Credits for Extra Co-curricular Activities	Credit
1	Sports Achievement at State level Competition (Medal Winner)	1
	Sports Achievement National level Competition (Medal Winner)	2
	Sports participation International level Competition	4
2	Inter Uni. Participation (Any one game)	2
3	Inter College Participation (min. two game)	1
4	National Cadet Corps / National Service Scheme	2
5	Blood donation / Cleanliness drive / Community services /	2
6	Mountaineering – Basic Camp, Advance Camp / Adventure Activities	2
7	Organization / Officiating – State / National level in any two game	2
8	News Reposting / Article Writing / book writing / progress report writing	1
9	Research Project	4

Students can earn maximum 06 Bonus credits in each semester by his/her participation in the above mentioned activities duly certified by the Head of the institution / Department. This Bonus credit will be used only to compensate loss of credits in academic activities.

R.B.P.Ed. 9. Examinations:

- i. There shall be examinations at the end of each semester, for first semester in the month of November /December: for second semester in the month of May / June. A candidate who does not pass the examination in any course(s) shall be permitted to appear in such failed course(s) in the subsequent examinations to be held in November /December or May / June.
- ii. A candidate should get enrolled /registered for the first semester examination. If

enrollment/registration is not possible owing to shortage of attendance beyond condonation limit / rules prescribed OR belated joining OR on medical grounds, such candidates are not permitted to proceed to the next semester. Such candidates shall redo the semester in the subsequent term of that semester as a regular student; however, a student of first semester shall be admitted in the second semester, if he/she has successfully kept the term in first semester.

R. B.P.Ed 10 Condonation:

Student must have 75% of attendance in each course for appearing the examination. Students who have 74% to 65% of attendance shall apply for condonation in the prescribed form with the prescribed fee. Students who have 64% to 50% of attendance shall apply for condonation in prescribed form with the prescribed fee along with the Medical Certificate. Students who have below 50% of attendance are not eligible to appear for the examination.

R. B.P.Ed 11. Pattern of Question Papers:

Question Papers shall have five questions corresponding to four units of each theory course.

B.P.Ed.: Format of Question Paper for 4 Units.

Each question paper shall have five questions. The pattern will be as follows:

Question No.	Description	Marks
1	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 1)	15
2	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 2)	15
3	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 3)	15
4	Write short notes: any two out of four (Form Unit 4)	15
5	M.C.Q. Type Questions (10 out of 12 Que.) (3 Questions. from each unit)	10
Total		70

R. B.P.Ed. 12. Evaluation:

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade point. Evaluation for each course shall be done by a continuous internal assessment (CIA) by the concerned course teacher as well as by end semester examination and will be consolidated at the end of course. The components for continuous internal assessment are;

One Test	15 Marks
Seminar / Quiz	5 Marks
Assignments	5 Marks
Attendance	5 Marks
Total	30 Marks

Attendance shall be taken as a component of continuous assessment, although the students should have minimum 75% attendance in each course. In addition to continuous evaluation component, the end semester examination, which will be written type examination of at least 3 hours duration, would also form an integral component of the evaluation. The ratio of marks to be allotted to continuous internal assessment and to end semester examination is 30:70. The evaluation of practical work, wherever applicable, will also be based on continuous internal assessment and on an end-semester practical examination.

R. B.P.Ed. 13. Minimum Passing Standard:

The minimum passing standard for CIA (Continuous Internal Assessment) and External Examinations shall be 40%, i.e. 12 marks out of 30 marks and 28 marks out of 70 marks respectively for theory courses. The minimum passing for both CIA & external examination shall be 50%, i.e. 15 marks out of 30 and 35 marks out of 70 marks for the practical courses.

R. B.P.Ed 14. Grading:

Once the marks of the CIA (Continues Internal Assessment) and SEA (Semester End Assesment) for each of the courses are available, both (CIA and SEA) will be added. The marks thus obtained for each of the courses will then be graded as per details provided in R. B.P.Ed. 17 from the first semester onwards the average performance within any semester from the first semester is indicated by Semester Grade Point Average (SGPA) while continuous performance (including the performance of the previous semesters also) starting from the first semester is indicated by Cumulative Grade Point Average (CGPA). These two are calculated by the following formula:

$$= \frac{\sum C_i G_i}{\sum C_i}$$

Where C_i is the Credit earned for the course is in any semester; G_i is the Grade point obtained by the student for the course i and n number of courses obtained in that semester;

is SGPA of semester j and N number of semester. Thus CGPA is average of SGPA of all the semesters starting from the first semester to the current semester.

R. B.P.Ed. 15. Classification of Final Results:

1. For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Physical Education in the First class / Second class / Pass class or First class with Distinction, the marks and the corresponding CGPA earned by the candidate in Core Courses will be the criterion. It is further provided that the candidate should have scored the First / Second Class separately in both the grand total and end Semester (External) examinations.

2. If the student is unable to pass the final examinations of first semester, he/she will be allowed to join second semester but he/she has to reappear in failed subjects of first semester along with the final examinations of second Semester. If the student fails to pass in I and II semester still he/she can take admission in III semester but he/she has to reappear in the failed subjects of I and II semester alongwith the final exam of III semester. However, for the fourth semester final examination, a student will not be allowed to appear till the student passes all the courses of previous semesters i. e semester I to III .

3. The class of passing and grade obtained in examinations will be given by combining the marks obtained by the students in all the end semester final examinations (Semester I to IV) held by the university.

4. No class will be awarded in the mark sheet of semester I to III examination; however, SGPA shall be calculated for the same.

R. B.P.Ed.16. Award of the B.P.Ed. Degree:

A candidate shall be eligible for the award of the degree of the B.P.Ed. only if he/she has earned the minimum required credit including Bonus Credits of the programme prescribed above.

R. B.P.Ed.17. Letter Grades and Grade Points:

i. Two methods-relative grading or absolute grading– have been in vogue for awarding

grades in a course. The relative grading is based on the distribution (usually normal distribution) of marks obtained by all the students in the course and the grades are awarded based on a cut-off mark or percentile. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the following grading system, the colleges and universities can use any one of the above methods.

- ii. The grades for each course would be decided on the basis of the percentage marks obtained at the end-semester external and internal examinations as per following table:

Percentage	Grade Point	Latter Grade	Description	Classification of final result
85 & above	8.5-10.0	O	Outstanding	First class with Distinction
70-84.99	7.0-8.49	A+	Excellent	
60-69.99	6.0-6.99	A	Very Good	First Class
55-59.99	5.5-5.99	B+	Good	Higher Second Class
50-54.99	5.0-5.49	B	Above Average	Second Class
40-49.99	4.0-4.99	C	Average	Pass Class
Below 40	0.0	F	Fail/ Dropped	Dropped
	0	AB	Absent	

R. B.P.Ed.18. Grade Point Calculation

Calculation of Semester Grade Point Average (SGPA) and Credit Grade Point (CGP) and declaration of class for B. P. Ed. Programme.

The credit grade points are to be calculated on the following basis:

$$= \frac{\sum \text{Grade Point} \times \text{Credits}}{\sum \text{Credits}}$$

Example – I

Marks obtained by Student in course CC101 = 65/100

Percentage of marks = 65 %

Grade from the conversion table is = A

Grade Point = 6.0 + 5 (0.99/9.99)

= 6.0 + 5x0.1

= 6.0+ 0.5

=6.5

The Course Credits = 04

Credits Grade Point (CGP) = 6.5 × 04 = 26

The semester grade point average (SGPA) will be calculated as a weighted average of all the grade point of the semester courses. That is Semester grade point average (SGPA) = (sum of grade points of all eight courses of the semester) / total credit of the semester as per example given below:

SEMESTER-1

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-101	4	65	A	6.5	26
CC-102	4	60	A	6	24
CC-103	4	62	A	6.2	24.8
EC-101/EC-102	4	57	B+	5.7	22.8
PC-101	4	55	B+	5.5	22
PC-102	4	72	A+	7.2	28.8
PC-103	4	66	A	6.6	26.4
PC - 104	4	72	A+	7.2	28.8
	32				203.6

Examples: Conversion of marks into grade points

$$\text{CC-101 } 65 = 60 + 5 = 6.0 + 5 \times (0.99 / 9.99) = 6.0 + 5 \times 0.1 = 6.0 + 0.5 = 6.5$$

$$\text{CC-102 } 60 = 6.0$$

$$\text{CC-103 } 62 = 60 + 2 = 6.0 + 2 \times (0.99 / 9.99) = 6.0 + 2 \times 0.1 = 6.0 + 0.2 = 6.2$$

$$\text{EC-101/EC-102 } 57 = 55 + 2 = 5.5 + 2 \times (0.49 / 4.99) = 5.5 + 2 \times 0.1 = 5.5 + 0.2 = 5.7$$

$$\text{PC-101 } 55 = 5.5$$

$$\text{PC-102 } 72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$$

$$\text{PC-103 } 66 = 60 + 6 = 6.0 + 6 \times (0.99 / 9.99) = 6.0 + 6 \times 0.1 = 6.0 + 0.6 = 6.6$$

$$\text{PC - 104 } 72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 =$$

$$7.2$$

SEMESTER GRADE POINT AVERAGE (SGPA) = Total Credit Grade

$$\text{Points} = 203.6 / 32 = 6.3625$$

$$\text{SGPA Sem. I} = 6.3625$$

At the end of Semester-1

$$\text{Total SGPA} = 6.3625$$

$$\text{Cumulative Grade Point Average (CGPA)} = 6.3625 / 1 = 6.3625$$

$$\text{CGPA} = 6.66875, \quad \text{Grade} = \text{A}, \quad \text{Class} = \text{First Class}$$

SEMESTER-2

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-201	4	76	A+	7.6	30.4
CC-202	4	64	A	6.4	25.6
CC-203	4	59	B+	5.9	23.6
EC-201/EC-202	4	80	A+	8	32
PC-201	4	49	C	4.9	19.6
PC-202	4	64	A	6.4	25.6
PC-203	4	55	B+	5.5	22
TP - 201	4	72	A+	7.2	28.8
	32				207.6

SGPA Sem. II = 6.4875

At the end of Semester-2

Total SGPA for two Semesters = 12.85

Cumulative Grade Point Average (CGPA) = $12.85/2 = 6.425$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-3

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-301	4	64	A	6.4	25.6
CC-302	4	64	A	6.4	25.6
CC-303	4	59	B+	5.9	23.6
EC-301/EC-302	4	81	A+	8.1	32.4
PC-301	4	49	C	4.9	19.6
PC-302	4	64	A	6.4	25.6
PC-303	4	68	A	6.8	27.2
TP - 301	4	75	A+	7.5	30
	32				209.6

SGPA Sem. III = 6.55

At the end of Semester-3

Total SGPA for three Semesters = 19.4

Cumulative Grade Point Average (CGPA) = $19.4/3 = 6.466667$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-4

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-401	4	83	A+	8.3	33.2
CC-402	4	76	A+	7.6	30.4
CC-403	4	59	B+	5.9	23.6
EC-401/EC-402	4	81	A+	8.1	32.4
PC-401	4	49	C	4.9	19.6
PC-402	4	78	A+	7.8	31.2
TP-401	4	81	A+	8.1	32.4
TP-402	4	75	A+	7.5	30
	32				232.8

SGPA Sem. IV = 7.275

At the end of Semester-4

Total SGPA for all the four semesters = 26.675

Cumulative Grade Point Average (CGPA) = 26.675 /4 = 6.66875

CGPA = 6.66875, Grade = A, Class = First Class

Note:

- i. SGPA is calculated only if the candidate passes in all the courses i.e. get minimum C grade in all the courses.
- ii. CGPA is calculated only when the candidate passes in all the courses of all the previous and current semesters.

(3)The cumulative grade point average will be calculated as the average of the SGPA of all the semesters continuously, as shown above.

(4)For the award of the class, CGPA shall be calculated on the basis of:

Marks of each Semester EndAssesment And

Marks of each Semester Continuous Internal Assessment for each course. The final Class for B.P.Ed. Degree shall be awarded on the basis of last CGPA (grade) fromalltheone to four semester examinations.

R. B.P.Ed.19. Grievance Redressal Committee:

The college/department shall form a Grievance Redressal Committee for each course in each college/department with the course teacher / Principal / Director and the HOD of the faculty as the members. This Committee shall solve all grievances of the students.

R. B.P.Ed.20. Revision of Syllabi:

Syllabi of every course should be revised according to the NCTE.

Revised Syllabi of each semester should be implemented in a sequential way.

In courses, where units / topics related to governmental provisions, regulations or laws,

that change to accommodate the latest developments, changes or corrections are to be made consequentially as recommended by the Academic Council.

4. All formalities for revisions in the syllabi should be completed before the end of the semester for implementation of the revised syllabi in the next academic year.
5. During every revision, up to twenty percent of the syllabi of each course should be changed so as to ensure the appearance of the students who have studied the old (unrevised) syllabi without any difficulties in the examinations of revised syllabi.
6. In case, the syllabus of any course is carried forward without any revision, it shall also be counted as revised in the revised syllabi.

Semester - I

PartA:TheoreticalCourse						
Course Code	TitleofthePapers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
CoreCourse						
CC-101	History, Principles and foundation of Physical Education	4	4	30	70	100
CC-102	Anatomy and Physiology	4	4	30	70	100
CC-103	Health Education and Environmental Studies	4	4	30	70	100
Elective Course (Anyone)						
EC-101	Olympic Movement	4	4	30	70	100
EC-102	Officiating and Coaching					
Part-B PracticalCourse						
PC-101	Track and Field (Running Events)	6	4	30	70	100
PC-102	Swimming/Gymnastics/ Shooting	6	4	30	70	100
PC-103	Indigenous Sports: Kabaddi / Malkhambh/ lezim / March past	6	4	30	70	100
PC - 104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - II

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
CC-201	Yoga Education	4	4	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	4	4	30	70	100
CC-203	Organization and Administration	4	4	30	70	100
Elective Course (Anyone)						
EC-201	Contemporary issues in physical education, fitness and wellness	4	4	30	70	100
EC-202	Sports Nutrition and Weight Management					
Part-B Practical Course						
PC-201	Track and Field (Jumping Events)	6	4	30	70	100
PC-202	Yoga/Aerobics/ Gymnastics/ Swimming	6	4	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis	6	4	30	70	100
Part - C Teaching Practices						
TP - 201	Teaching Practices (05 lessons in class room teaching and 05 lessons in outdoor activities)	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - III

PartA:TheoreticalCourse						
Course Code	TitleofthePapers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
CoreCourse						
CC-301	Sports Training	4	4	30	70	100
CC-302	Computer Applications in Physical Education	4	4	30	70	100
CC-303	Sports Psychology and Sociology	4	4	30	70	100
Elective Course (Anyone)						
EC-301	Sports Medicine, Physiotherapy and Rehabilitation	4	4	30	70	100
EC-302	Curriculum Design					
Part–B PracticalCourse						
PC-301	Track and Field (Throwing Events)	6	4	30	70	100
PC-302	Combative Sports: Martial Art/ Karate/ Judo/ Fencing/ Boxing/ Taekwondo/ Wrestling (Any two out of these)	6	4	30	70	100
PC-303	Team Games: Baseball/ Cricket/ Football/ Hockey/ Softball/ Volleyball/ Handball/ Basketball/ Netball (Any two of these)	6	4	30	70	100
Part – C Teaching Practices						
TP - 301	Teaching Practice: (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports) (out of 10 lessons 5 internal and 5 external at practicing school)	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits foreach Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - IV

PartA:TheoreticalCourse						
Course Code	TitleofthePapers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
CoreCourse						
CC-401	Measurement and Evaluation in Physical Education	4	4	30	70	100
CC-402	Kinesiology and Biomechanics	4	4	30	70	100
CC-403	Research and Statistics in Physical Education	4	4	30	70	100
Elective Course (Anyone)						
EC-401	Theory of sports and game	4	4	30	70	100
EC-402	Sports Management					
Part–B PracticalCourse						
PC-401	Track and Field / Swimming / Gymnastics (Any one out of three)	6	4	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any Two of these)	6	4	30	70	100
Part – C Teaching Practices						
TP-401	Sports specialization: Coaching lessons Plans (One for Sports 5 lessons)	6	4	30	70	100
TP-402	Games specialization: Coaching lessons Plans (One for Games 5 lessons)	6	4	30	70	100
Total		40	32	240	560	800
		160	128	960	2240	3200

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

SCHEME OF EXAMINATION
SEMESTER - I

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
CC-101	History, Principles and foundation of Physical Education	30	70	100
CC-102	Anatomy and Physiology	30	70	100
CC-103	Health Education and Environmental Studies	30	70	100
EC-101/102	Olympic Movement/Officiating and Coaching (Elective)	30	70	100
	<u>PRACTICAL (400)</u>			
PC-101	Track and Field (Running Events)	30	70	100
PC-102	Swimming/Gymnastics/Shooting	30	70	100
PC-103	Indigenous Sports: Kabaddi/ Malkhambh/ lezim / March past (Any of one out of these)	30	70	100
PC-104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella (Any one out of these)	30	70	100
	Total	240	560	800

SEMESTER -II

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
CC-201	Yoga Education	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	30	70	100
CC-203	Organization and Administration	30	70	100
EC-201/202	Contemporary issues in physical education, fitness and wellness/ Sports Nutrition and Weight Management (Elective)	30	70	100
	<u>PRACTICAL (300)</u>			
PC-201	Track and Field (Jumping Events)	30	70	100
PC-202	Yoga/Aerobics / Swimming / Gymnastics (Any of the two out of these)	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis (Any of the two out of these)	30	70	100
	<u>TEACHING PRACTICE (100)</u>			
TP-201	Teaching Practice (Classroom and outdoor)	30	70	100
	Total	240	560	800

SEMESTER –III

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
CC-301	Sports Training	30	70	100
CC-302	Computer Applications in Physical Education	30	70	100
CC-303	Sports Psychology and Sociology	30	70	100
EC-301/302	Sports Medicine, Physiotherapy and Rehabilitation/Curriculum Design (Elective)	30	70	100
	<u>PRACTICAL (300)</u>			
PC-301	Track and Field (Throwing Events)	30	70	100
PC-302	Combative Sports : Martial Art, Karate, Judo, Fencing, Boxing, Taekwondo, Wrestling (Any two out of these)	30	70	100
PC-303	Team Games: Baseball, Cricket, Football, Hockey, Softball, Volleyball, Handball, Basketball, Netball (Any two of these)	30	70	100
	<u>TEACHING PRACTICE (100)</u>			
TP-301	Teaching Practice (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports)	30	70	100
	Total	240	560	800

SEMESTER -IV

Paper	Subject	Internal	External	Total Marks
	<u>THEORY (400)</u>			
CC-401	Measurement and Evaluation in Physical Education	30	70	100
CC-402	Kinesiology and Biomechanics	30	70	100
CC-403	Research and Statistics in Physical Education	30	70	100
EC-401/402	Theory of sports and games(Specifically sports and games specialization)/Sports Management (Elective)	30	70	100
	<u>PRACTICAL (200)</u>			
PC-401	Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
	<u>TEACHING PRACTICE (200)</u>			
TP-401	Sports Specialization: Coaching lessons Plans Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
TP-402	Game specialization Coaching lessons: Kabaddi/ Kho-	30	70	100

	Kho/ Baseball/ Cricket/Football/Hockey /Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)			
	Total	240	560	800

R.B.P.Ed. 21 Repealed: the Ordinance No. 79 which is existing at present is hereby repealed with immediate effect and all the students those who have taken the admission under this Ordinance are only to be allowed to appear in examination in the year 2015-16 and 2016-17 and after this, no student will be allowed to appear in this examination for any reasons whatsoever. He/She should take the admission afresh under this proposed direction No..19/2015 This is effective from the year 2015-16.

R.B.P.Ed. 22 As soon as possible after the examination, the board of examination shall publish a list of successful examinee and the degree shall be awarded on the basis of First to Fourth semester taken together and Degree of Bachelor of Physical Education to be awarded the student.

R.B.P.Ed. 23 I further direct that the aforesaid Direction shall come into force from the date of issuance and shall remain in force till the relevant Ordinance comes into force in accordance with the provisions of Maharashtra Universities Act, 1994 and the relevant provisions published by this Direction shall be repealed from the existing Directions.

Sd/-
Dr. Siddharth Vinayak Kane
Vice-Chancellor,

Nagpur
Dated : 8/9/2015

CURRICULUM FRAMEWORK TWO YEARS B.P.ED PROGRAMME

GUIDELINES OF REGULATIONS AND MODEL SYLLABUS STRUCTURE FOR B. P. ED. TWO YEARS PROGRAMME (FOUR SEMESTERS)(CBCS)

(If the University or affiliating body is following choice based credit system, (CBCS) as approved and Circulated by the UGC, the credit hours given in the following curriculum framework need to be considered along with the hours of teaching mentioned for each paper/ activity / course)

(If the University or affiliating body is yet to adopt CBCS, only the hours of teaching mentioned for each paper/ activity / course will be considered, the credit in teaching hours may be ignored)

Preamble: Bachelor of Physical Education (B. P. Ed.) two years (Four Semesters Choice Based Credit System) programme is a professional programme meant for preparing teachers of physical education in classes VI to X and for conducting physical education and sports activities in classes XI and XII.

B. P. Ed. programme shall be designed to integrate the study of childhood, social context of Physical Education, subject knowledge, pedagogical knowledge, aim of Physical Education and communication skills. The programme comprises of compulsory and optional theory as well as practical courses and compulsory school internship.

R.B.P.Ed. 1.Eligibility

Intake, Eligibility and Admission Procedure as per the NCTE norms and standards

R. B.P.Ed. 2. Duration:

The B.P.Ed programme shall be of a duration of two academic years, that is, four semesters. However, the students shall be permitted to complete the programme requirements within a maximum of three years from the date of admission to the programme.

R. B.P.Ed. 3. The CBCS System:

All Programmes shall run on Choice Based Credit System (CBCS). It is an instructional package developed to suit the needs of students, to keep pace with

the developments in higher education and the quality assurance expected of it in the light of liberalization and globalization in higher education.

R. B.P.Ed 4. Course:

The term course usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.

R. B.P.Ed. 5. Courses of Programme:

The B.P.Ed.Programme consists of a number of courses, the term 'Course' applied to indicate a logical part of subject matter of the programme and is invariably equivalent to the subject matter of a "paper" in the conventional sense. The following are the various categories of courses suggested for the B.P.Ed. Programme.

Theory:

Core Course:

Elective Course:

Practicum:

Teaching Practices:

R. B.P.Ed.6. Semesters:

An academic year is divided into two semesters. Each semester will consist of 17-20weeks of academic work equivalent to 100 actual teaching days. The odd semester may be scheduled from May/June to November/December and even semester from November / December to May/June. The institution shall work for a minimum of 36 working hours in a week(five or six days a week).

R. B.P.Ed.7. Working days:

There shall be at least 200 working days per year exclusive of admission and examination processes etc.

R. B.P.Ed 8. Credits:

The term 'Credit' refers to a unit by which the programme is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or one and half / two hours of practical work/field work per week. The term 'Credit' refers to the weight given to a course, usually in relation to the instructional hours assigned to it. The total minimum credits, required for completing a B.P.Ed. Programme is 90 credits and for each semester 20 credits.

Provision of Bonus Credits Maximum 06 Credits in each Semester

Sr. No.	Special Credits for Extra Co-curricular Activities	Credit
1	Sports Achievement at State level Competition (Medal Winner) Sports Achievement National level Competition (Medal Winner) Sports participation International level Competition	1 2 4
2	Inter Uni. Participation (Any one game)	2
3	Inter College Participation (min. two game)	1
4	National Cadet Corps / National Service Scheme	2
5	Blood donation / Cleanliness drive / Community services /	2
6	Mountaineering – Basic Camp, Advance Camp / Adventure Activities	2
7	Organization / Officiating – State / National level in any two game	2
8	News Reposting / Article Writing / book writing / progress report writing	1
9	Research Project	4

Students can earn maximum 06 Bonus credits in each semester by his/her participation in the above mentioned activities duly certified by the Head of the institution / Department. This Bonus credit will be used only to compensate loss of credits in academic activities.

S. B.P.Ed. 9. Examinations:

- i. There shall be examinations at the end of each semester, for first semester in the month of November /December: for second semester in the month of May / June. A candidate who does not pass the examination in any course(s) shall be permitted to appear in such failed course(s) in the subsequent examinations to be held in November /December or May / June.
- ii. A candidate should get enrolled /registered for the first semester examination. If enrollment/registration is not possible owing to shortage of attendance beyond condonation limit / rules prescribed OR belated joining OR on medical grounds, such candidates are not permitted to proceed to the next semester. Such candidates shall redo the semester in the subsequent term of that semester as a regular student; however, a student of first semester shall be admitted in the second semester, if he/she has successfully kept the term in first semester.

R. B.P.Ed 10 Condonation:

Student must have 75% of attendance in each course for appearing the examination. Students who have 74% to 65% of attendance shall apply for condonation in the prescribed form with the prescribed fee. Students who have 64% to 50% of attendance shall apply for

condonation in prescribed form with the prescribed fee along with the Medical Certificate. Students who have below 50% of attendance are not eligible to appear for the examination.

R. B.P.Ed 11. Pattern of Question Papers:

Question Papers shall have five questions corresponding to four units of each theory course.

B.P.Ed.: Format of Question Paper for 4 Units.

Each question paper shall have five questions. The pattern will be as follows:

Question No.	Description	Marks
1	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 1)	15
2	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 2)	15
3	Answer in detail (Long Question) Or Answer in detail (Long Question) (Form Unit 3)	15
4	Write short notes: any two out of four (Form Unit 4)	15
5	M.C.Q. Type Questions (10 out of 12 Que.) (3 Questions. from each unit)	10
Total		70

R. B.P.Ed. 12. Evaluation:

The performance of a student in each course is evaluated in terms of percentage of marks with a provision for conversion to grade point. Evaluation for each course shall be done by a continuous internal assessment (CIA) by the concerned course teacher as well as by end semester examination and will be consolidated at the end of course. The components for continuous internal assessment are;

One Test	15 Marks
Seminar / Quiz	5 Marks
Assignments	5 Marks
Attendance	5 Marks
Total	30 Marks

Attendance shall be taken as a component of continuous assessment, although the students should have minimum 75% attendance in each course. In addition to continuous evaluation component, the end semester examination, which will be written type examination of at least 3 hours duration, would also form an integral component of the evaluation. The ratio of marks to be allotted to continuous internal assessment and to end semester examination is 30:70. The evaluation of practical work, wherever applicable, will also be based on continuous internal assessment and on an end-semester practical examination.

R. B.P.Ed. 13. Minimum Passing Standard:

The minimum passing standard for CIA (Continuous Internal Assessment) and External Examinations shall be 40%, i.e. 12 marks out of 30 marks and 28 marks out of 70 marks respectively for theory courses. The minimum passing for both CIA & external examination shall be 50%, i.e. 15 marks out of 30 and 35 marks out of 70 marks for the practical courses.

R. B.P.Ed 14. Grading:

Once the marks of the CIA (Continues Internal Assessment) and SEA (Semester End Assessment) for each of the courses are available, both (CIA and SEA) will be added. The marks thus obtained for each of the courses will then be graded as per details provided in R. B.P.Ed. 17 from the first semester onwards the average performance within any semester from the first semester is indicated by Semester Grade Point Average (SGPA) while continuous performance (including the performance of the previous semesters also) starting from the first semester is indicated by Cumulative Grade Point Average (CGPA). These two are calculated by the following formula:

$$= \frac{\sum C_i G_i}{\sum C_i}$$

$$= \frac{\sum C_i G_i}{\sum C_i}$$

Where C_i is the Credit earned for the course is in any semester; G_i is the Grade point obtained by the student for the course i and n number of courses obtained in that semester; $SGPA_j$ is SGPA of semester j and N number of semester. Thus CGPA is average of SGPA of all the semesters starting from the first semester to the current semester.

R. B.P.Ed. 15. Classification of Final Results:

For the purpose of declaring a candidate to have qualified for the Degree of Bachelor of Physical Education in the First class / Second class / Pass class or First class with Distinction, the

marks and the corresponding CGPA earned by the candidate in Core Courses will be the criterion. It is further provided that the candidate should have scored the First / Second Class separately in both the grand total and end Semester (External) examinations.

R. B.P.Ed.16. Award of the B.P.Ed. Degree:

A candidate shall be eligible for the award of the degree of the B.P.Ed. only if he/she has earned the minimum required credit including Bonus Credits of the programme prescribed above.

S. B.P.Ed.17. Letter Grades and Grade Points:

- i. Two methods-relative grading or absolute grading– have been in vogue for awarding grades in a course. The relative grading is based on the distribution (usually normal distribution) of marks obtained by all the students in the course and the grades are awarded based on a cut-off mark or percentile. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the following grading system, the colleges and universities can use any one of the above methods.
- ii. The grades for each course would be decided on the basis of the percentage marks obtained at the end-semester external and internal examinations as per following table:

Percentage	Grade Point	Latter Grade	Description	Classification of final result
85 & above	8.5-10.0	O	Outstanding	First class with Distinction
70-84.99	7.0-8.49	A+	Excellent	
60-69.99	6.0-6.99	A	Very Good	First Class
55-59.99	5.5-5.99	B+	Good	Higher Second Class
50-54.99	5.0-5.49	B	Above Average	Second Class
40-49.99	4.0-4.99	C	Average	Pass Class
Below 40	0.0	F	Fail/ Dropped	Dropped
	0	AB	Absent	

R. B.P.Ed.18. Grade Point Calculation

Calculation of Semester Grade Point Average (SGPA) and Credit Grade Point (CGP) and declaration of class for B. P. Ed. Programme.

The credit grade points are to be calculated on the following basis:

$$= \frac{\sum}{\sum}$$

Example – I

Marks obtained by Student in course CC101 = 65/100

Percentage of marks = 65 %

Grade from the conversion table is = A

$$\text{Grade Point} = 6.0 + 5 (0.99/9.99)$$

$$= 6.0 + 5 \times 0.1$$

$$= 6.0 +$$

$$0.5 = 6.5$$

The Course Credits = 04

$$\text{Credits Grade Point (CGP)} = 6.5 \times 04 = 26$$

The semester grade point average (SGPA) will be calculated as a weighted average of all the grade point of the semester courses. That is Semester grade point average (SGPA) = (sum of grade points of all eight courses of the semester) / total credit of the semester as per example given below:

SEMESTER-1

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-101	4	65	A	6.5	26
CC-102	4	60	A	6	24
CC-103	4	62	A	6.2	24.8
EC-101/EC-102	4	57	B+	5.7	22.8
PC-101	4	55	B+	5.5	22
PC-102	4	72	A+	7.2	28.8
PC-103	4	66	A	6.6	26.4
PC - 104	4	72	A+	7.2	28.8
	32				203.6

Examples: Conversion of marks into grade points

$$\text{CC-101 } 65 = 60 + 5 = 6.0 + 5 \times (0.99 / 9.99) = 6.0 + 5 \times 0.1 = 6.0 + 0.5 = 6.5$$

$$\text{CC-102 } 60 = 6.0$$

$$\text{CC-103 } 62 = 60 + 2 = 6.0 + 2 \times (0.99/9.99) = 6.0 + 2 \times 0.1 = 6.0 + 0.2 = 6.2$$

$$\text{EC-101/EC-102 } 57 = 55 + 2 = 5.5 + 2 \times (0.49 / 4.99) = 5.5 + 2 \times 0.1 = 5.5 + 0.2 = 5.7$$

$$\text{PC-101 } 55 = 5.5$$

$$\text{PC-102 } 72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$$

$$\text{PC-103 } 66 = 60 + 6 = 6.0 + 6 \times (0.99 / 9.99) = 6.0 + 6 \times 0.1 = 6.0 + 0.6 = 6.6$$

$$\text{PC-104 } 72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$$

SEMESTER GRADE POINT AVERAGE (SGPA) = Total Credit Grade

$$\text{Points} = 203.6 / 32 = 6.3625$$

$$\text{SGPA Sem. I} = 6.3625$$

At the end of Semester-

$$1 \text{ Total SGPA} = 6.3625$$

$$\text{Cumulative Grade Point Average (CGPA)} = 6.3625/1 = 6.3625$$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-2

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-201	4	76	A+	7.6	30.4
CC-202	4	64	A	6.4	25.6
CC-203	4	59	B+	5.9	23.6
EC-201/EC-202	4	80	A+	8	32
PC-201	4	49	C	4.9	19.6
PC-202	4	64	A	6.4	25.6
PC-203	4	55	B+	5.5	22
TP - 201	4	72	A+	7.2	28.8
	32				207.6

SGPA Sem. II = 6.4875

At the end of Semester-2

Total SGPA for two Semesters = 12.85

Cumulative Grade Point Average (CGPA) = $12.85/2 = 6.425$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-3

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-301	4	64	A	6.4	25.6
CC-302	4	64	A	6.4	25.6
CC-303	4	59	B+	5.9	23.6
EC-301/EC-302	4	81	A+	8.1	32.4
PC-301	4	49	C	4.9	19.6
PC-302	4	64	A	6.4	25.6
PC-303	4	68	A	6.8	27.2
TP - 301	4	75	A+	7.5	30
	32				209.6

SGPA Sem. III = 6.55

At the end of Semester-3

Total SGPA for three Semesters = 19.4

Cumulative Grade Point Average (CGPA) = $19.4/3 = 6.466667$

CGPA = 6.66875, Grade = A, Class = First Class

SEMESTER-4

Courses No.	Credit	Marks out of 100 (%)	Grade	Grade Point	Credit Grade point
CC-401	4	83	A+	8.3	33.2
CC-402	4	76	A+	7.6	30.4
CC-403	4	59	B+	5.9	23.6
EC-401/EC-402	4	81	A+	8.1	32.4
PC-401	4	49	C	4.9	19.6
PC-402	4	78	A+	7.8	31.2
TP-401	4	81	A+	8.1	32.4
TP-402	4	75	A+	7.5	30
	32				232.8

SGPA Sem. IV = 7.275

At the end of Semester-4

Total SGPA for all the four semesters = 26.675

Cumulative Grade Point Average (CGPA) = 26.675 / 4 = 6.66875

CGPA = 6.66875, Grade = A, Class = First Class

Note:

iii. SGPA is calculated only if the candidate passes in all the courses i.e. get minimum C grade in all the courses.

iv. CGPA is calculated only when the candidate passes in all the courses of all the previous and current semesters.

(3)The cumulative grade point average will be calculated as the average of the SGPA of all the semesters continuously, as shown above.

(4)For the award of the class, CGPA shall be calculated on the basis of:

Marks of each Semester End Assessment And

Marks of each Semester Continuous Internal Assessment for each course. The final Class for B.P.Ed. Degree shall be awarded on the basis of last CGPA (grade) from all the one to four semester examinations.

R. B.P.Ed.19. Grievance Redressal Committee:

The college/department shall form a Grievance Redressal Committee for each course in each college/department with the course teacher / Principal / Director and the HOD of the faculty as the members. This Committee shall solve all grievances of the students.

R. B.P.Ed.20. Revision of Syllabi:

Syllabi of every course should be revised according to the NCTE.

Revised Syllabi of each semester should be implemented in a sequential way.

In courses, where units / topics related to governmental provisions, regulations or laws, that change to accommodate the latest developments, changes or corrections are to be made consequentially as recommended by the Academic Council.

7. All formalities for revisions in the syllabi should be completed before the end of the semester for implementation of the revised syllabi in the next academic year.
8. During every revision, up to twenty percent of the syllabi of each course should be changed so as to ensure the appearance of the students who have studied the old (unrevised) syllabi without any difficulties in the examinations of revised syllabi.
9. In case, the syllabus of any course is carried forward without any revision, it shall also be counted as revised in the revised syllabi.

Semester - I

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
CC-101	History, Principles and foundation of Physical Education	4	4	30	70	100
CC-102	Anatomy and Physiology	4	4	30	70	100
CC-103	Health Education and Environmental Studies	4	4	30	70	100
Elective Course (Anyone)						
EC-101	Olympic Movement	4	4	30	70	100
EC-102	Officiating and Coaching					
Part-B Practical Course						
PC-101	Track and Field (Running Events)	6	4	30	70	100
PC-102	Swimming/Gymnastics/ Shooting	6	4	30	70	100
PC-103	Indigenous Sports: Kabaddi / Malkhambh/ lezim / March past	6	4	30	70	100
PC - 104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - II

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
CC-201	Yoga Education	4	4	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	4	4	30	70	100
CC-203	Organization and Administration	4	4	30	70	100
Elective Course (Anyone)						
EC-201	Contemporary issues in physical education, fitness and wellness	4	4	30	70	100
EC-202	Sports Nutrition and Weight Management					
Part-B Practical Course						
PC-201	Track and Field (Jumping Events)	6	4	30	70	100
PC-202	Yoga/Aerobics/ Gymnastics/ Swimming	6	4	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis	6	4	30	70	100
Part - C Teaching Practices						
TP - 201	Teaching Practices (05 lessons in class room teaching and 05 lessons in outdoor activities)	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - III

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
CC-301	Sports Training	4	4	30	70	100
CC-302	Computer Applications in Physical Education	4	4	30	70	100
CC-303	Sports Psychology and Sociology	4	4	30	70	100
Elective Course (Anyone)						
EC-301	Sports Medicine, Physiotherapy and Rehabilitation	4	4	30	70	100
EC-302	Curriculum Design					
Part-B Practical Course						
PC-301	Track and Field (Throwing Events)	6	4	30	70	100
PC-302	Combative Sports: Martial Art/ Karate/ Judo/ Fencing/ Boxing/ Taekwondo/ Wrestling (Any two out of these)	6	4	30	70	100
PC-303	Team Games: Baseball/ Cricket/ Football/ Hockey/ Softball/ Volleyball/ Handball/ Basketball/ Netball (Any two of these)	6	4	30	70	100
Part - C Teaching Practices						
TP - 301	Teaching Practice: (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports) (out of 10 lessons 5 internal and 5 external at practicing school)	6	4	30	70	100
Total		40	32	240	560	800

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

Semester - IV

Part A: Theoretical Course						
Course Code	Title of the Papers	Total Hours	Credit	Internal Marks	External Marks	Total Marks
Core Course						
CC-401	Measurement and Evaluation in Physical Education	4	4	30	70	100
CC-402	Kinesiology and Biomechanics	4	4	30	70	100
CC-403	Research and Statistics in Physical Education	4	4	30	70	100
Elective Course (Anyone)						
EC-401	Theory of sports and game	4	4	30	70	100
EC-402	Sports Management					
Part-B Practical Course						
PC-401	Track and Field / Swimming / Gymnastics (Any one out of three)	6	4	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any Two of these)	6	4	30	70	100
Part – C Teaching Practices						
TP-401	Sports specialization: Coaching lessons Plans (One for Sports 5 lessons)	6	4	30	70	100
TP-402	Games specialization: Coaching lessons Plans (One for Games 5 lessons)	6	4	30	70	100
Total		40	32	240	560	800
		160	128	960	2240	3200

Note: Total Number of hours required to earn 4 credits for each Theory Course are 68-80 hours per semester whereas 102-120 hours for each Practicum Course.

SCHEME OF EXAMINATION**SEMESTER - I**

Paper	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-101	History, Principles and foundation of Physical Education	30	70	100
CC-102	Anatomy and Physiology	30	70	100
CC-103	Health Education and Environmental Studies	30	70	100
EC-101/102	Olympic Movement/Officiating and Coaching (Elective)	30	70	100
	PRACTICAL (400)			
PC-101	Track and Field (Running Events)	30	70	100
PC-102	Swimming/Gymnastics/Shooting	30	70	100
PC-103	Indigenous Sports: Kabaddi/ Malkhambh/ lezim / March past (Any of one out of these)	30	70	100
PC-104	Mass Demonstration Activities: Kho-Kho / dumbbells / tipri / wands / hoop /umbrella (Any one out of these)	30	70	100
	Total	240	560	800

SEMESTER -II

Paper	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-201	Yoga Education	30	70	100
CC-202	Educational Technology and Methods of Teaching in Physical Education	30	70	100
CC-203	Organization and Administration	30	70	100
EC-201/202	Contemporary issues in physical education, fitness and wellness/ Sports Nutrition and Weight Management (Elective)	30	70	100
	PRACTICAL (300)			
PC-201	Track and Field (Jumping Events)	30	70	100
PC-202	Yoga/Aerobics / Swimming / Gymnastics (Any of the two out of these)	30	70	100
PC-203	Racket Sports: Badminton/ Table Tennis/ Squash/ Tennis (Any of the two out of these)	30	70	100
	TEACHING PRACTICE (100)			
TP-201	Teaching Practice (Classroom and outdoor)	30	70	100
	Total	240	560	800

SEMESTER –III

Paper	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-301	Sports Training	30	70	100
CC-302	Computer Applications in Physical Education	30	70	100
CC-303	Sports Psychology and Sociology	30	70	100
EC-301/302	Sports Medicine, Physiotherapy and Rehabilitation/Curriculum Design (Elective)	30	70	100
	PRACTICAL (300)			
PC-301	Track and Field (Throwing Events)	30	70	100
PC-302	Combative Sports : Martial Art, Karate, Judo, Fencing, Boxing, Taekwondo, Wrestling (Any two out of these)	30	70	100
PC-303	Team Games: Baseball, Cricket, Football, Hockey, Softball, Volleyball, Handball, Basketball, Netball (Any two of these)	30	70	100
	TEACHING PRACTICE (100)			
TP-301	Teaching Practice (Teaching Lesson Plans for Racket Sport/ Team Games/Indigenous Sports)	30	70	100
	Total	240	560	800

SEMESTER -IV

Paper	Subject	Internal	External	Total Marks
	THEORY (400)			
CC-401	Measurement and Evaluation in Physical Education	30	70	100
CC-402	Kinesiology and Biomechanics	30	70	100
CC-403	Research and Statistics in Physical Education	30	70	100
EC-401/402	Theory of sports and games(Specifically sports and games specialization)/Sports Management (Elective)	30	70	100
	PRACTICAL (200)			
PC-401	Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
PC-402	Kabaddi/ Kho-Kho/ Baseball/ Cricket/ Football/Hockey/Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
	TEACHING PRACTICE (200)			
TP-401	Sports Specialization: Coaching lessons Plans Track and Field/Swimming /Gymnastics (Any of one out of these)	30	70	100
TP-402	Game specialization Coaching lessons: Kabaddi/ Kho-Kho/ Baseball/ Cricket/Football/Hockey /Softball/ Volleyball/ Handball/ Basketball/ Netball/ Badminton/ Table Tennis/ Squash/ Tennis (Any of one out of these)	30	70	100
	Total	240	560	800

B. P. Ed. – Outline of Syllabus

Semester – I

Theory Courses

CC-101 HISTORY, PRINCIPLES AND FOUNDATION OF PHYSICAL EDUCATION

Unit – 1: Introduction

- **Meaning, Definition and Scope of Physical Education** ○ **Aims and Objective of Physical Education**
- **Importance of Physical Education in present era.** ○ **Misconceptions about Physical Education.**
- **Relationship of Physical Education with General Education.**○ **Physical Education as an Art and Science.**

Unit- 2 – Historical Development of Physical Education in India

- **Indus Valley Civilization Period. (3250 BC–2500 BC)** ○ **Vedic Period (2500 BC–600 BC)**
- **Early Hindu Period (600 BC–320 AD) and Later Hindu Period (320 AD–1000 AD)** ○ **Medieval Period (1000 AD–1757 AD)**
- **British Period (Before 1947)**
- **Physical Education in India (After 1947)**
- **Contribution of Akhadas and Vyayamshals** ○ **Y.M.C.A. and its contributions.**

Unit- 3- Foundation of Physical Education

- **Philosophical foundation:**
- **Idealism, Pragmatism, Naturalism, Realism, Humanism, Existentialism and Indian Philosophy and Culture.**
- **Fitness and wellness movement in the contemporary perspectives**
- **Sports for all and its role in the maintenance and promotion of fitness.**

Unit-4- Principles of Physical Education

- **Biological**
 - **Growth and development**
 - **Age and gender characteristics**
 - **Body Types**
 - **Anthropometric differences**
- **Psychological**
 - **Learning types, learning curve**
 - **Laws and principles of learning**
 - **Attitude, interest, cognition, emotions and sentiments**

- Sociological
 - Society and culture
 - Social acceptance and recognition
 - Leadership
 - Social integration and cohesiveness

References:

Bucher, C. A. (n.d.) *Foundation of physical education*. St. Louis: The C.V. Mosby Co.

Deshpande, S. H. (2014). *Physical Education in Ancient India*. Amravati: Degree college of Physical education.

Kanwar, R.C. (2015) *History, Principles and Foundations of Physical Education*. Nagpur: Amit Brothers Publications

Budhe, A. (2013) *Principles and History of Physical Education*. Delhi; Sports Publications
 Mohan, V. M. (1969). *Principles of physical education*. Delhi: Metropolitan Book Dep.

Nixon, E. E. & Cozen, F.W. (1969). *An introduction to physical education*. Philadelphia: W.B. Saunders Co.

Obertuffer, (1970). *Delbert physical education*. New York: Harper & Brothers Publisher.

Sharman, J. R. (1964). *Introduction to physical education*. New York: A.S. Barnes & Co.

William, J. F. (1964). *The principles of physical education*. Philadelphia: W.B. Saunders Co.

Semester I

Theory Courses

CC-102 ANATOMY AND PHYSIOLOGY

UNIT-I

- Brief Introduction of Anatomy and physiology in the field of Physical Education.○ Introduction of Cell and Tissue.
- The arrangement of the skeleton – Function - of the skeleton – Ribs and Vertebral column and the extremities – joints of the body and their types
- Gender differences in the skeleton.○ Types of muscles.

UNIT-II

- Blood and circulatory system: Constituents of blood and their function –Blood groups and blood transfusion, clotting of blood, the structure of the heart-properties of the heart muscle, circulation of blood, cardiac cycle, blood pressure, Lymph and Lymphatic circulation. Cardiac output.
- The Respiratory system: The Respiratory passage – the lungs and their structure and exchange of gases in the lungs, mechanism of respiration (internal and external respiration) lung capacity, tidal volume.
- The Digestive system: structure and functions of the digestive system, Digestive organs, Metabolism,
- The Excretory system: Structure and functions of the kidneys and the skin.
- The Endocrine glands: Functions of glands pituitary, Thyroid, Parathyroid. Adrenal, Pancreatic and the sex glands.
- Nervous systems: Function of the Autonomic nervous system and Central nervous system. Reflex Action,
- Sense organs: A brief account of the structure and functions of the Eye and Ear.

UNIT-III

- Definition of physiology and its importance in the field of physical education and sports.○ Structure, Composition, Properties and functions of skeletal muscles.
- Nerve control of muscular activity: ○ Neuromuscular junction
- Transmission of nerve impulse across it. ○ Fuel for muscular activity
- Role of oxygen- physical training, oxygen debt, second wind, vital capacity.

UNIT-IV

- Effect of exercise and training on cardiovascular system. ○ Effect of exercise and training on respiratory system.
- Effect of exercise and training on muscular system
- Physiological concept of physical fitness, warming up, conditioning and fatigue. ○ Basic concept of balanced diet–Diet before, during and after competition.

References:

- Gupta, A. P. (2010). *Anatomy and physiology*. Agra: Sumit Prakashan.
- Gupta, M. and Gupta, M. C. (1980). *Body and anatomical science*. Delhi: Swaran Printing Press.
- Guyton, A.C. (1996). *Textbook of Medical Physiology*, 9th edition. Philadelphia: W.B. Saunders.
- Kanwar, R.C. (2015) *Anatomy and Physiology*. Nagpur: Amit Brothers Publications
- Budhe, A. ,Agrawal, K (2013) *Anatomy, Physiology & Health Education* .Delhi; Sports Publications
- Karpovich, P. V. (n.d.). *Philosophy of muscular activity*. London: W.B. Saunders Co. Lamb, G. S. (1982). *Essentials of exercise physiology*. Delhi: Surjeet Publication.
- Moorthy, A. M. (2014). *Anatomy physiology and health education*. Karaikudi: Madalayam Publications.
- Morehouse, L. E. & Miller, J. (1967). *Physiology of exercise*. St. Louis: The C.V. Mosby Co.
- Pearce, E. C. (1962). *Anatomy and physiology for nurses*. London: Faber & Faber Ltd. Sharma, R. D. (1979). *Health and physical education*, Gupta Prakashan.
- Singh, S. (1979). *Anatomy of physiology and health education*. Ropar: Jeet Publications.

Semester I

Theory courses

CC-103 HEALTH EDUCATION AND ENVIRONMENTAL STUDIES

Unit – I Health Education

- Concept, Dimensions, Spectrum and Determinants of Health
- Definition of Health, Health Education, Health Instruction, Health Supervision
- Aim, objective and Principles of Health Education
- Health Service and guidance instruction in personal hygiene

Unit – II Health Problems in India

- Communicable and Non Communicable Diseases
- Obesity, Malnutrition, Adulteration in food, Environmental sanitation, Explosive Population,
- Personal and Environmental Hygiene for schools
- Objective of school health service, Role of health education in schools
- Health Services – Care of skin, Nails, Eye health service, Nutritional service, Health appraisal, Health record, Healthful school environment, first- aid and emergency care etc.

Unit – III Environmental Science

- Definition, Scope, Need and Importance of environmental studies.
- Concept of environmental education, Historical background of environmental education,
- Celebration of various days in relation with environment.
- Plastic recycling & prohibition of plastic bag / cover.
- Role of school in environmental conservation and sustainable development.

Unit – IV Natural Resources and related environmental issues:

- Water resources, food resources and Land resources
- Definition, effects and control measures of:
- Air Pollution, Water Pollution, Soil Pollution, Noise Pollution, Thermal Pollution
- Management of environment and Govt. policies , Role of pollution control board.

References:

- Agrawal, K.C. (2001). *Environmental biology*. Bikaner: Nidhi publishers Ltd.
- Frank, H. & Walter, H., (1976). *Turners school health education*. Saint Louis: The C.V. Mosby Company.
- Kanwar, R.C. (2015) *Health Education and Environmental Studies*. Nagpur: Amit Brothers Publications
- Nemir, A. (n.d.). *The school health education*. New York: Harber and Brothers.
- Odum, E.P. (1971). *Fundamental of ecology*. U.S.A.: W.B. Saunders Co.

Semester – I

Theory courses

EC-101 OLYMPIC MOVEMENT (ELECTIVE)

Unit – I Origin of Olympic Movement

- Philosophy of Olympic movement
- The early history of the Olympic movement
- The significant stages in the development of the modern Olympic movement
- Educational and cultural values of Olympic movement

Unit – II Modern Olympic Games

- Significance of Olympic Ideals, Olympic Rings, Olympic Flag
- Olympic Protocol for member countries
- Olympic Code of Ethics
- Olympism in action
- Sports for All

Unit – III Different Olympic Games

- Para Olympic Games
- Summer Olympics
- Winter Olympics
- Youth Olympic Games

Unit – IV Committees of Olympic Games

- International Olympic Committee - Structure and Functions
- National Olympic committees and their role in Olympic movement
- Olympic commission and their functions
- Olympic medal winners of India

Reference:

- Osborne, M. P. (2004). *Magic tree house fact tracker: ancient greece and the olympics: a nonfiction companion to magic tree house: hour of the Olympics*. New York: Random House Books for Young Readers.
- Burbank, J. M., Andranovich, G. D. & Heying Boulder, C. H. (2001). *Olympic dreams: the impact of mega-events on local politics*: Lynne Rienner
- Durge, R.R., Joshi, A.R. (2015) *Olympic Movement* : Nagpur : Amit Brothers Publications

Semester – I

Theory courses

EC-102 OFFICIATING AND COACHING

(Elective) Unit- I: Introduction of Officiating and coaching

- Concept of officiating and coaching
- Importance and principles of officiating
- Relation of official and coach with management, players and spectators
- Measures of improving the standards of officiating and coaching

Unit- II: Coach as a Mentor

- Duties of coach in general, pre, during and post game.
- Philosophy of coaching
- Responsibilities of a coach on and off the field
- Psychology of competition and coaching

Unit- III: Duties of Official

- Duties of official in general, pre, during and post game.
- Philosophy of officiating
- Mechanics of officiating—position, singles and movement etc.
- Ethics of officiating

Unit- IV: Qualities and Qualifications of Coach and Official

- Qualities and qualification of coach and official
- General rules of games and sports
- Eligibility rules of intercollegiate and inter-university tournaments, preparation of TA, DA bills
- Integrity and values of sports

Reference Books:

- Bunn, J. W. (1968). *The art of officiating sports*. Englewood cliffs N.J. Prentice Hall.
- Bunn, J. W. (1972). *Scientific principles of coaching* Englewood cliffs N. J. Prentice Hall.
- Dyson, G. H. (1963). *The mechanics of athletics*. London: University of London Press Ltd.
- Kanwar, R.C. (1991) *Officiating and Coaching*. Nagpur: Amit Brothers Publications
- Dyson, G. H. (1963). *The mechanics of Athletics*. London: University of London Press Ltd.
- Lawther, J.D. (1965). *Psychology of coaching*. New York: Pre. Hall.
- Singer, R. N. (1972). *Coaching, athletic & psychology*. New York: M.C. Graw Hill.

Semester – II

Theory Courses

CC-201 YOGA EDUCATION

Unit – I: Introduction

- Meaning and Definition of Yoga ○
- Aims and Objectives of Yoga
- Yoga in Early Upanisads
- The Yoga Sutra: General Consideration
- Need and Importance of Yoga in Physical Education and Sports

Unit - II: Foundation of Yoga

- The Astanga Yoga: Yama, Niyama, Asana, Pranayama, Pratyahara, Dharana, Dhyana and Samadhi
- Yoga in the Bhagavadgita - Karma Yoga, Raja Yoga, Jnana Yoga and Bhakti Yoga

Unit - III Asanas

- Effect of Asanas and Pranayama on various system of the body
- Classification of asanas with special reference to physical education and sports
- Influences of relaxtive, meditative posture on various system of the body
- Types of Bandhas and mudras
- Type of kriyas

Unit – IV Yoga Education

- Basic, applied and action research in Yoga
- Difference between yogic practices and physical exercises ○
- Yoga education centers in India and abroad
- Competitions in Yogasanas

References:

- Brown, F. Y.(2000). *How to use yoga*. Delhi: Sports Publication.
- Gharote, M. L. &Ganguly, H. (1988).*Teaching methods for yogic practices*. Lonawala: Kaixydahmoe.
- Rajjan, S. M. (1985). *Yoga strengthening of relaxation for sports man*. New Delhi: Allied Publishers.
- Shankar,G.(1998). *Holistic approach of yoga*. New Delhi: Aditya Publishers.
- Shekar,K. C. (2003). *Yoga for health*. Delhi: Khel Sahitya Kendra.

Semester – II

Theory Courses

CC-202 EDUCATIONAL TECHNOLOGY AND METHODS OF TEACHING IN PHYSICAL EDUCATION

Unit – I Introduction

- Education and Education Technology- Meaning and Definitions
- Types of Education- Formal, Informal and Non- Formal education.
- Educative Process
- Importance of Devices and Methods of Teaching.

Unit – II Teaching Technique

- Teaching Technique – Lecture method, Command method, Demonstration method, Imitation method, project method etc.
- Teaching Procedure – Whole method, whole – part – whole method, part – whole method.
- Presentation Technique–Personal and technical preparation
- Command- Meaning, Types and its uses in different situations.

Unit – III Teaching Aids

- Teaching Aids–Meaning, Importance and its criteria for selecting teaching aids.
- Teaching aids – Audio aids, Visual aids, Audio – visual aids, Verbal, Chalk board, Charts, Model, Slide projector, Motion picture etc
- Team Teaching–Meaning, Principles and advantage of team teaching.
- Difference between Teaching Methods and Teaching Aid.

Unit – IV Lesson Planning and Teaching Innovations

- Lesson Planning–Meaning, Type and principles of lesson plan.
- General and specific lesson plan.
- Micro Teaching–Meaning, Types and steps of micro teaching.
- Simulation Teaching - Meaning, Types and steps of simulation teaching.

Reference:

Bhardwaj, A. (2003). *New media of educational planning*. New Delhi: Sarup of Sons. Bhatia, &

Bhatia, (1959). *The principles and methods of teaching*. New Delhi: Doaba House.

Budhe, A. (2013) *Educational Methodology*. Delhi; Sports Publications.

Kochar, S.K. (1982). *Methods and techniques of teaching*. New Delhi: Sterling Publishers Pvt. Ltd.

Kanwar, R.C. (2008) *Methods in Physical Education*. Nagpur: Amit Brothers Publications

Kavishwar, D.P. *Methods in Physical Education*. Nagpur; S.M. Publisher

Sampath, K., Pannirselvam, A. & Santhanam, S. (1981). *Introduction to educational technology*. New Delhi: Sterling Publishers Pvt. Ltd.

Walia, J.S. (1999). *Principles and methods of education*. Jullandhar: Paul Publishers.

Section II

Methodology of Special Subject

**(1) Sports Coaching (2) English (3) Marathi (4) Hindi (5) History (6) Geography
(7) Science (8) Economics**

The Syllabus for each is as given below

(1) Sports Coaching

- 1. Aims, Objectives and specifications of coaching sports, skills and techniques.**
- 2. Different methods of coaching sports skills.**
- 3. Class organization**
- 4. Stages of skill teaching**
- 5. Coaching aids and devices : Charts, Models, Film-strips, Posters, Motion Films, Gadgets, Flannelography, Epidiascope, Overhead Projector**
- 6. Principles of the selection and use of A.V. aids in coaching sports skills.**
- 7. Lead up games : Need and importance**
- 8. Preparation of sports coaching lesson**
 - (a) Various parts of lesson**
 - (b) Basic requirement for the lesson**

Books recommended

Bounder , J. B. : How to be a Successful Coach

Geoffrey Dyson : The Mechanics of Athletics

John Bunn : Scientific Principles of Coaching

J. P. Thomas : Physical Education Lessons

Kanwar R. C. (2008) Sports Coaching Amit Brothers Publications Nagpur

Kozman, Gassiy Jakson : Methods in Physical Education.

Lawther, J. D. : Psychology of Coaching

(2) English

(3)

1. The place of English in the curriculum of Secondary Schools.
2. Aims and objectives of teaching the subject as a compulsory language – The stage at which to begin study and the time to be devoted.
3. Different aspects of the Teaching of English –
 - a. Types of reading, oral and silent reading, their objective and how to improve reading.
 - b. Poetry, place of poetry teaching, choice of poems, methods of teaching, recitation, chorus reading.
 - c. Composition – Oral, Written, Comprehension – Methods of correction, teaching, spelling.
 - d. Grammar – Place of Grammar in the teaching of English, Method of teaching –
 - i. Grammar, formal and functional grammar.
 - ii. The difficulties of English : Word order, Sentence patterns, the usage, language exercise.
 - e. Supplementary reading. Intensive and extensive readers. Use of the Library.
 - f. Dictation : Its objectives, planning a dictation lesson.
 - g. Translation, paraphrase, précis writing.
4. Critical study of the English Syllabus at the higher and lower levels, essentials of a good text book.
5. Method of Teaching – The direct Method, Dr. West's Method. The Grammar translation method, New Direct (Structural) approach, the comprehensive method.
6. Lessons planning with reference to different types of lesson.
7. The teaching of handwriting.
8. Teaching aids and devices, Pictures, Charts Models, Film strips the Gramophone, Radio, Cinema, Tape Recorder, Linguaphone, Flash cards, Dictator, Dramatisation, Debates, Story telling. Pen-Friendship, Language games, B.B. work Dialogues, Celebration of Festivals.
9. Co-curricular activities, Excursions Class magazines.
10. Evaluation procedure in English, Preparation of New type tests in English.
11. The qualities and qualifications of the teaching of English.
12. Phonetics : English speech, accent and intonation. Difficulties of pronunciation.

Books recommended :

1. T.K.N. Menon & Patel : The Teaching of English as a Foreign Language, Acharaya Book Depot, Baroda.
2. Gurry : Teaching of English as a Foreign Language, Orient Longman.
3. Frisby : The Teaching of English, Oxford University Press.
4. French : Teaching of English Abroad.

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- 2- ekr`Hkk"ksP;k v/;kiukph oSf'k"V;s %
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mfi"Vka'kh R;kap k laca/k
- 3- Hkk"kk O;ogkjkph fofo/k vaxs & Jo.k] dFku] okpu] ys[ku o
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- 6- loZ xzaFkky;s o 'kkys; xzzaFkky;s] 'kkys; okpuky;s] gLrfyf[krs o
'kkys; fu;rdkfyds] laxzg iqfLrdk] vokarj okpu lkfgR;] fo|kFkhZ
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- 7- vH;klkUrxZar miØe

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okM+~e;hu miØe o izdYi] O;fDrxr o lkeqfgd vH;kl lo;halkBh
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8- ekr`Hkk"ksP;k f'k{k.kkaps O;fDrRo

9- izxrhps ewY;ekiu

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1- Rybum, W.M. : Suggestion for the Teaching of Mother Tongue, Oxford
University Press

2- vdkSydj o ikV.kdj % ejkBhps v/;;u] Oghul izdk'ku]
iq.ks 2

3- QkVd] e- fo- % ejkBh dforsps v;/kiu] ekWMuZ cqd
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(5) Hindi
fgUnh

- 1- Hkkjrh; thou eas fganh dk LFkku &
Hkkjrh; la?kjkT; dh fofo/k Hkk"kk,;A lafo/kku esa fganh dks fn;k
gqvk LFkkuA fganh cuke vaxzsthA faganh dk lkaLÑfrd egRoA
Hkk"kk vkSj laLÑfrA
- 2- fganh f'k{kk dk mís'; %
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mPpkj.k] vH;kl esa okrkoj.k dk LFkku-
- 4- ikB~;Øe vkSj ikB~;iqLrdsa &
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O;kdj.k] ikB jpuk ;k vkfo" dkjksa ds fofHkUu izdkj rFkk muesa
lacaf/kr ikB

8- lgk; ;d miØe &

laHkk" k.k IHkk] oDr` Ro IHkk] gLrfyf[kr if=dk] okpuky;] ukVd]
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9- fganh f'k{k k esa n` d~JkO; lk/kuksa dk LFkku vkSj mi;ksx
ewY;ekiu & ewY;ekiu ra= ds vuqlkj dlkSfV;ka rS;kj djuk-

10- fganh v;/kid dk O;fDrRo

lanHkZ fdrkcsa

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2- lkBs] x-u- % jk"V^aHkk"kk dk v/;;u] egkj"V^a jkT; jk"V^aHkk"kk]
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3- Ihrkjk prqosZnh % v;/kiu dyk] uanfd'kksj ,W.M IUI] pkSd]
okjk.klh

4- Ihrkjk prqosZnh % Hkk"kk dh f'k{k k] fganh lkfgR; dqVhj]
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5- HkkbZ ;ksxsUnzthr % fganh Hkk"kk f'k{k.k] fouksn iqLrd
eafnj] vkxjk

6- jtuhdkar ygjh % fganh f'k{k.k] jkepanz ,W.M IUI] vkxjk

(6) History

1. Meaning and scope of History. The place of History in the school curriculum.
2. Times, objectives and specifications of teaching History.
Criteria of good syllabus –
 - (a) Chronological
 - (b) Periodical
 - (c) Concentric
 - (d) Lines development
 - (e) Local History
 - (f) World History
 - (g) Current events –
3. Essentials of a good Text Book in History Study of the prescribed course in History for High School classes in Maharashtra.
4. Different methods of teaching History –
 - (a) Story telling method
 - (b) Discussion method
 - (c) Text Book method
 - (d) Lecture method
 - (e) Project method
 - (f) Dalton Plan
 - (g) Source method
 - (h) Problem method
 - (i) Biographical method
5. Teaching aids and devices –
Charts, Maps, Graphs, Models, Discussions, Questions, Poems, Novels, Ballads, Picture, Inscriptions, Historical documents and time line.
6. Co-curricular activities
Visit of places of historical importance, Lectures, Note making, note taking and parallel reading, Dramatisation.
7. Correlation of History with other school subjects.
8. Education for National Integration and International understanding through teaching of History
9. Evaluation preparation of text items.
10. Qualities and qualification of the History Teacher.

Books recommended :

1. The Teaching of History : V.D. Ghatge, Oxford University Press
2. The Teaching of History : Johnson, Macmillan Co., Bombay
3. Creative Teaching of History : Ghose, K. D., Oxford University Press
4. Teaching of History : Kochhar, Sterling Publisher, Jallunder.
5. bfrgklkps v/;kiu % /kkjidj] ikjluhl] Oghul izdk'ku] iq.ks& 3
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(7) Geography

1. **Meaning and scope of Geography. The place of Geography in school curriculum.**
2. **Aims, Objectives and Specification of teaching Geography with special emphasis on National Integration and International understanding.**
3. **Criteria of a good syllabus and text book in Geography. Grammar of Geography. Study of local and regional Geography. Study of the prescribed course in Geography in schools of Maharashtra State.**
4. **Different methods of teaching Geography –**
 - (a) **Observation method**
 - (b) **Story telling method**
 - (c) **Journey method**
 - (d) **Excursion method**
 - (e) **Laboratory method**
 - (f) **Regional method**
 - (g) **Project method**
5. **Map reading and map making.**
6. **Teaching aids and devices – Maps, Charts, Diagrams, Models, Globe, Epidiascope, Films, Pictures, Specimens, Atlases and Schools Broadcast.**
7. **Co-curricular activities – Excursions, Lectures, note making, note taking, parallel reading, preparing albums, stamp collecting and Geography clubs.**
8. **Correlation of Geography with other school subjects.**
9. **Evaluation – preparation of test items.**
10. **Qualities and qualifications of the Geography Teacher.**

Books recommended

1. **Principles and Practice of Geography Teaching : Barnard, University Tutorial Press Ltd., London**
2. **Teaching of Geography : Gospel, University Press, London**
3. **Teaching of Geogrpahy in India : Verma, University Publication, Jallunder**
4. **Suggestions for Teaching Geograpy : Maonee, Oxford University Press.**
5. **Source Book of Teaching Geography : UNESCO (UNESCO, Longman)**
6. **Hkwxksy v/;k;u vkf.k v/;kiu % ek- xks- ckiV] Oghul izdk'ku] iq.ks & 30**
7. **Hkwxksykps v/;kiu % ek- Ogh- ikV.kdj] ekWMuZ cq d Msiks] ckthjko jLrk] iq.ks-**

(8) Science

1. Importance and place of science in the School curriculum.
2. Aims, Objectives and specifications of teaching Science.
3. Criteria of good syllabus and text books in Science. Study of the prescribed Course in Science for High School classes in Maharashtra State.
4. Lesson planning in Science.
5. Method of teaching Science – Lecture, Historical, Demonstration, Laboratory, Heuristic and problem methods.
6. Contribution of the Dalton Plan and the Project method to the teaching of the Science –
 - a. Special problems and methods of Nature, Study and General Science.
 - b. Correlation of various branches of Science with one another and with other School Subjects.
7. Laboratory and its equipment, improvised apparatus.
8. Co-curricular Activities
 - a. Visits to Work-shops, Factories and other places of Scientific Interest.
 - b. School Museum
 - c. Science Clubs and Science Fairs
9. Aids to teaching Science – Charts, Models, Specimens, Film Projector, Epidiascope, Radio and Tape-Recorder.
10. Qualities and qualification of the Science Teacher
11. Evaluation – Preparation of test items.

Books recommended –

1. H. N. Sunder (UNESCO) : Teaching of General Science in Topical Secondary School, Oxford University.
2. Ghanshamdas : The Teaching of Physics and Chemistry in India, Oxford University Press, London.
3. T.S. Nagpal : The Teaching of Science, Krishna Brothers, Amritsar, Lundhiana.
4. D.R. Dawing : Introduction to Teaching of Science, Halt Rinchart Winston Terouts.
5. Sharma & Sharma : Teaching of Science, S.Chand, New Delhi

(9) Economics

Objectives :

1. To acquaint the student-teachers with the objectives of teaching Economics
2. To develop necessary skills in the preparation and use of teaching aids
3. To initiate the student-teachers to the various methods of Economics.
4. To develop competence in the use of various tools of evaluation.

Unit-wise Breakup of the Syllabus

Unit I :

- (a) The place of economics in education, aim and objectives of teaching Economics in Secondary School such as responsible citizenship, understanding, economic role of Governments, understanding economics, phenomenon, help to perform one's role as a producers or consumer to grasp the inter-dependence of man in modern times to think critically, to participate in the economic development of the country.
- (b) Place of economics in Secondary School and relation of the same with other subjects.
- (c) The presentation of economics at different stages in School as a Part of community living in Primary as a part of Social Studies in the Secondary, as a separate subject in the Higher Secondary. Approach to the teaching of economics in the Schools.

Unit II :

Methods of teaching Economics, narration, text-book, survey, project, discussion, field trips, case study, preparation and interpretation of data through time series, graphs, pie and bar diagrams, pictographs, advantages, adaptation and scope of these methods.

Unit III :

Audio-visual aids used in Economics Teaching maps, charts, model, graphs, diagrams, films-films trips, radio.

Unit IV :

Economics room and museum, necessary equipment.

Unit V :

Qualities and qualifications of a good Economics, Teacher, his professional equipment.

Unit VI :

Preparation and criteria of framing Syllabus.

Preparation and criteria of framing syllabus in Economics at different levels, Criteria of a good Text-book in the subject, Study of present Syllabus and Text-book.

Unit VII :

Preparation of the year's plan, unit plans and daily lesson plan-objectives, learning experience, teaching points, methods used.

Unit VIII :

Evaluation and testing procedures in the teaching of Economics, knowledge of achievement test and preparation of unit tests.

Reference Books

1. Teaching of Economics : B.S. Kanwar
2. Organizing Social Studies in Secondary Schools, 'Binning & Other (McGraw Hill)
3. The Teaching of Economics in Secondary School : Assistant Masters Association (Cambridge University Press, 1971)
4. H.S.C. Syllabus of M. S. Board of Secondary Education, Shivaji Nagar, Poona – 10
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6. vFkZ'kkL= v/;kiu % izk- ok- xks- nkgkds
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9. Hand Bill

Semester – II
Theory Courses

CC-203 ORGANIZATION AND ADMINISTRATION IN PHYSICAL EDUCATION

Unit – I: Organization and administration

- **Meaning and importance of Organization and Administration in physical education**
- **Qualification and Responsibilities of Physical Education teacher and pupil leader**
- **Planning and their basic principles,**
- **Program planning: Meaning, Importance, Principles of program planning in physical education.**
- **Functions of Planning, organizing, staffing, directing, communicating, co-ordination, controlling, evaluating and innovating.**

Unit- II: Office Management, Record, Register & Budget

- **Office Management: Meaning, definition, functions and kinds of office management**
- **Records and Registers: Maintenance of attendance Register, stock register, cash register, physical efficiency record, Medical examination Record.**
- **Budget: Meaning, Importance of Budget making,**
- **Criteria of a good Budget, Sources of Income, Expenditure, Preparation of Budget.**

Unit-III: Facilities, & Time-Table Management

- **Facilities and equipment management: Types of facilities Infrastructure-indoor, out door.**
- **Care of school building, Gymnasium, swimming pool, Play fields, Play grounds**
- **Equipment: Need, importance, purchase, care and maintenance.**
- **Time Table Management: Meaning, Need, Importance and Factor affecting time table.**

Unit-IV: Competition Organization

- **Importance of Tournament,**
- **Types of Tournament and its organization structure - Knock-out Tournaments, League or Round Robin Tournaments, Combination Tournament and challenge Tournament.**
- **Organization structure of Athletic Meet**
- **Sports Event Intramurals & Extramural Tournament planning**

References:

- Broyles, F. J. & Rober, H. D. (1979). *Administration of sports, Athletic programme: A Managerial Approach*. New York: Prentice hall Inc.**
- Bucher, C. A. (1983). *Administration of Physical Education and Athletic programme*. St. Lolis: The C.V. Hosby Co.**
- Kavishwar, D.P. *Fundamentals of Track and Field*. Nagpur; S.M. Publisher**
- Kozman, H.C. Cassidy, R. & Jackson, C. (1960). *Methods in Physical Education*. London: W.B. Saunders Co.**
- Pandy, L.K. (1977). *Methods in Physical Education*. Delhe: Metropolitan Book Depo.**

- Sharma, V.M. &Tiwari, R.H.: (1979). *Teaching Methods in Physical Education*.Amaravati: Shakti Publication.**
- Kanwar, R.C. (1995) Organisation, Administration and Sports Management. Nagpur: Amit Brothers Publications**
- Budhe, A. (2013) Organisation, Administration and Supervision in Physical Education.Delhi; Sports Publication.**
- Thomas, J. P.(1967). *Organization & administration of Physical Education*. Madras: Gyanodayal Press.**
- Tirunarayanan, C. &Hariharan, S. (1969). *Methods in Physical Education*.Karaikudi: South India Press.**
- Voltmer, E. F. &Esslinger, A. A. (1979).*The organization and administration of Physical Education*.New York: Prentice Hall Inc.**

Semester – II

Theory Courses

EC-201 CONTEMPORARY ISSUES IN PHYSICAL EDUCATION, FITNESS AND WELLNESS (ELECTIVE)

Unit – I Concept of Physical Education and Fitness

- Definition, Aims and Objectives of Physical Education, fitness and Wellness
- Importance and Scope of fitness and wellness
- Modern concept of Physical fitness and Wellness
- Physical Education and its Relevance in Inter Disciplinary Context.

Unit – II Fitness, Wellness and Lifestyle

- Fitness–Types of Fitness and Components of Fitness
- Understanding of Wellness
- Modern Lifestyle and Hypo kinetic Diseases–Prevention and Management
- Physical Activity and Health Benefits

Unit – III Principles of Exercise Program

- Means of Fitness development–aerobic and anaerobic exercises
- Exercises and Heart rate Zones for various aerobic exercise intensities
- Concept of free weight Vs Machine, Sets and Repetition etc
- Concept of designing different fitness training program for different age group.

Unit – IV Safety Education and Fitness Promotion

- Health and Safety in Daily Life
- First Aid and Emergency Care
- Common Injuries and their Management
- Modern Life Style and Hypo-kinetic Disease–Prevention and Management

References:

- Difiore, J.(1998). *Complete guide to postnatal fitness*. London: A & C Black,.
- Giam, C.K &The, K.C. (1994). *Sport medicine exercise and fitness*. Singapore: P.G. Medical Book.
- Mcglynn, G., (1993). *Dynamics of fitness*. Madison: W.C.B Brown.
- Sharkey, B. J.(1990). *Physiology of fitness*, Human Kinetics Book.

Semester II

Theory courses

EC-202 SPORTS NUTRITION AND WEIGHT MANAGEMENT (ELECTIVE)

Unit – I Introduction to Sports Nutrition

- **Meaning and Definition of Sports Nutrition**
- **Basic Nutrition guidelines**
- **Role of nutrition in sports**
- **Factor to consider for developing nutrition plan**

Unit – II Nutrients: Ingestion to energy metabolism

- **Carbohydrates, Protein, Fat–Meaning, classification and its function**
- **Role of carbohydrates, Fat and protein during exercise**
- **Vitamins, Minerals, Water–Meaning, classification and its function**
- **Role of hydration during exercise, water balance, Nutrition – daily caloric requirement and expenditure.**

Unit – III Nutrition and Weight Management

- **Meaning of weight management Concept of weight management in modern era Factor affecting weight management and values of weight management**
- **Concept of BMI (Body mass index), Obesity and its hazard, Myth of Spot reduction, Dieting versus exercise for weight control, Common Myths about Weight Loss**
- **Obesity–Definition, meaning and types of obesity,**
- **Health Risks Associated with Obesity, Obesity - Causes and Solutions for Overcoming Obesity.**

Unit – IV Steps of planning of Weight Management

- **Nutrition–Daily calorie intake and expenditure, Determination of desirable body weight**
 - **Balanced diet for Indian School Children, Maintaining a Healthy Lifestyle**
 - **Weight management program for sporty child, Role of diet and exercise in weight management, Design diet plan and exercise schedule for weight gain and loss**
- References:**

Bessesen, D. H. (2008). Update on obesity. *J ClinEndocrinolMetab.*93(6), 2027-2034.

Butryn, M.L., Phelan, S., & Hill, J. O.(2007). Consistent self-monitoring of weight: a key component of successful weight loss maintenance. *Obesity(Silver Spring)*. 15(12), 3091-3096.

Chu, S.Y. & Kim, L. J. (2007). Maternal obesity and risk of stillbirth: a metaanalysis. *Am JObstetGynecol*, 197(3), 223-228.

DeMaria, E. J. (2007).Bariatric surgery for morbid obesity.*N Engl J Med*,356(21), 2176-2183.

Dixon, J.B., O'Brien, P.E., Playfair, J. (n.d.). Adjustable gastric banding and conventional therapy for type 2 diabetes: a randomized controlled trial. *JAMA*. 299(3), 316-323.

Semester – III
Theory Courses
CC-301 SPORTS TRAINING

Unit – I Introduction to Sports Training

- **Meaning and Definition of Sports Training**
- **Aim and Objective of Sports Training**
- **Principles of Sports Training**
- **System of Sports Training – Basic Performance, Good Performance and High Performance Training**

Unit – II Training Components

- **Strength–Mean and Methods of Strength Development**
- **Speed–Mean and Methods of Speed Development**
- **Endurance - Mean and Methods of Endurance Development**
- **Coordination–Mean and Methods of coordination Development**
- **Flexibility–Mean and Methods of Flexibility Development**

Unit – III Training Process

- **Training Load- Definition and Types of Training Load**
- **Principles of Intensity and Volume of stimulus**
- **Technical Training–Meaning and Methods of Technique Training**
- **Tactical Training–Meaning and Methods of Tactical Training**

Unit – IV Training programming and planning

- **Periodization–Meaning and types of Periodization**
- **Aim and Content of Periods–Preparatory, Competition, Transitional etc.**
- **Planning–Training session**
- **Talent Identification and Development**

Reference:

- Dick, W. F. (1980). *Sports training principles*. London: Lepus Books.
- Harre, D.(1982). *Principles of sports training*. Berlin: Sporulated.
- Jensen, R. C.& Fisher, A.G. (1979). *Scientific basis of athletic conditioning*. Philadelphia: Lea and Fibiger, 2ndEdn.
- Kanwar, R.C. (1999) *Scientific Methods of Training and Coaching*. Nagpur: Amit Brothers Publications
- Matvyew, L.P. (1981). *Fundamental of sports training*. Moscow: Progress Publishers.
- Singh, H. (1984). *Sports training, general theory and methods*. Patials: NSNIS. Uppal,
- A.K., (1999). *Sports Training*. New Delhi: Friends Publication.

Semester III
Theory Courses

CC-302 COMPUTER APPLICATIONS IN PHYSICAL EDUCATION

Unit – I: Introduction to Computer

- Meaning, need and importance of information and communication technology (ICT).
Application of Computers in Physical Education
- Components of computer, input and output device
- Application software used in Physical Education and sports

Unit – II: MS Word

- Introduction to MS Word
- Creating, saving and opening a document
- Formatting Editing features Drawing table ,
- page setup, paragraph alignment, spelling and grammar check printing option, inserting page number, graph, footnote and notes

Unit – III: MS Excel

- Introduction to MS Excel
- Creating, saving and opening spreadsheet
- creating formulas
- Format and editing features adjusting columns width and row height understanding charts.

Unit – IV: MS Power Point

- Introduction to MS Power Point
- Creating, saving and opening a ppt. file
- format and editing features slide show , design , inserting slide number
- picture ,graph ,table
- Preparation of Power point presentations

Referances:

- Irtegov, D. (2004). *Operating system fundamentals*. Firewall Media.
- Marilyn, M.& Roberta, B.(n.d.).*Computers in your future*. 2nd edition, India: Prentice Hall.
- Milke, M.(2007). *Absolute beginner's guide to computer basics*.Pearson Education
- Asia.Sinha, P. K. &Sinha, P. (n.d.).*Computer fundamentals*.4th edition, BPB Publication.

Semester – III

Theory Courses

CC-303 SPORTS PSYCHOLOGY AND SOCIOLOGY

Unit -I: introduction

- Meaning, Importance and scope of Educational and Sports Psychology
- General characteristics of Various Stages of growth and development
- Types and nature of individual differences; Factors responsible -Heredity And environment
- Psycho-sociological aspects of Human behavior in relation to physical education and sports

Unit-II: Sports Psychology

- Nature of learning, theories of learning, Laws of learning, ○ Plateau in Learning; & transfer of training
- Meaning and definition of personality, characteristics of personality, ○ Dimension of personality, Personality and Sports performance
- Nature of motivation: Factors influencing motivation; Motivation and techniques and its impact on sports performance.
- Mental Preparation Strategies: Attention focus, Self- talk, Relaxation, Imaginary.○ Aggression and Sports, Meaning and nature of anxiety, Kinds of anxiety
- Meaning and nature of stress; Types of stress, Anxiety, Stress, Arousal and their effects on sports performance

Unit-III: Relation between Social Science and Physical Education.

- Orthodoxy, customs, Tradition and Physical Education.
- Festivals and Physical Education.
- Socialization through Physical Education.
- Social Group life, Social conglomeration and Social group, Primary group and Remote group.

Unit- 4 Culture : Meaning and

- Importance. ○ Features of culture,
- Importance of culture.
 - Effects of culture on people life style.
 - Different methods of studying Observation/ Inspection method, Questionnaire method, Interview method

References:

- Ball, D. W. & Loy, J. W. (1975). *Sport and social order; Contribution to the sociology of sport*. London: Addison Wesley Publishing Co., Inc.
- Blair, J.& Simpson, R.(1962). *Educational psychology*, New York:McMillan Co. Cratty, B. J.(1968). *Psychology and physical activity*. Eaglewood Cliffs. Prentice Hall.

- Kamlesh, M.L. (1998). *Psychology in physical education and sport*. New Delhi: Metropolitan Book Co.
- Loy, J. W., Kenyon, G. S. & McPherson, B. D. (1978). *Sport and social system*. London: Addison Wesley Publishing Company Inc.
- Kanwar, R.C. (2014) *Sports Psychology*. Nagpur: Amit Brothers Publications
- Budhe, A. ,Agrawal, K (2013) *Educational and Sports Psychology*.Delhi; Sports Publications
- Loy, J. W., Kenyon, G. S. & McPherson, B. D. (1981). *Sports culture and society*. Philadelphia: Lea &Febiger.
- Mathur, S.S., (1962). *Educational psychology*.Agra. Vinod Pustak Mandir. Skinner,
- C. E., (1984.). *Education psychology*. New Delhi: Prentice Hall of India.
- William, F. O.&Meyer, F. N. (1979). *A handbook of sociology*. New Delhi: Eurasia Publishing House Pvt Ltd.

Semester – III

Theory Courses

EC-301 SPORTS MEDICINE, PHYSIOTHERAPY AND REHABILITATION (ELECTIVE)

Unit-I: - Sports Medicine:

- Sports Medicine: Meaning, Definition, Aims, Objectives, Modern Concepts and Importance.
- Athletes Care and Rehabilitation: Contribution of Physical Education Teachers and Coaches.
- Need and Importance of the study of sports injuries in the field of Physical Education ○
Prevention of injuries in sports–Common sports injuries–Diagnosis–
- First Aid - Treatment - Laceration – Blisters – Contusion - Strain – Sprain – Fracture – Dislocation and Cramps – Bandages – Types of Bandages – trapping and supports.

Unit-II: Physiotherapy

- Definition – Guiding principles of physiotherapy, Importance of physiotherapy, Introduction and demonstration of treatments - Electrotherapy – infrared rays – Ultraviolet rays –short wave diathermy – ultrasonic rays.

Unit-III: Hydrotherapy:

- Introduction and demonstration of treatments of Cry therapy, Thermo therapy, Contrast Bath, Whirlpool Bath – Steam Bath – Sauna Bath – Hot Water Fomentation – Massage: History of Massage – Classification of Manipulation (Swedish System) physiological Effect of Massage.

Unit-IV: Therapeutic Exercise:

- Definition and Scope – Principles of Therapeutic Exercise – Classification, Effects and uses of Therapeutic exercise – passive Movements (Relaxed, Forced and passive - stretching) – active movements (concentric, Eccentric and static) application of the therapeutic exercise: Free Mobility Exercise – Shoulder, Elbow – Wrist and Finger Joints – Hips, Knee, ankle and Foot joints – Trunk. Head and Neck exercises.

References:

- Christine, M. D., (1999). *Physiology of sports and exercise*.USA: Human Kinetics.
- Conley, M. (2000).*Bioenergetics of exercise training*.In T.R. Baechle, & R.W. Earle, (Eds.), *Essentials of Strength Training and Conditioning* (pp. 73-90). Champaign, IL: Human Kinetics.
- David, R. M. (2005).*Drugs in sports*, (4th Ed).Routledge Taylor and Francis Group.
- Hunter, M. D. (1979). *A dictionary for physical educators*. In H. M. Borrow & R. McGee, (Eds.), *A Practical approach to measurement in Physical Education* (pp. 573-74). Philadelphia: Lea &Febiger.

Jeyaprakash, C. S., *Sports Medicine*, J.P. Brothers Pub., New Delhi, 2003.

Khanna, G.L., (1990). *Exercise physiology & sports medicine*. Delhi:Lucky Enterprises. Mathew, D.K. & Fox, E.L., (1971).*Physiological basis of physical education and athletics*. Philadelphia:W.B. Saunders Co.

Pandey, P.K., (1987). *Outline of sports medicine*, New Delhi: J.P. Brothers Pub.

Williams, J. G. P. (1962). *Sports medicine*. London: Edward Arnold Ltd.

Semester – III
Theory Courses

EC-302 CURRICULUM DESIGN (Elective)

UNIT-I Modern concept of the curriculum

- Need and importance of curriculum, Need and importance of curriculum development, the role of the teacher in curriculum development.
- Factors affecting curriculum - Social factors - Personnel qualifications - Climatic consideration - Equipment and facilities -Time suitability of hours.
- National and Professional policies, Research finding

UNIT-II Basic Guide line for curriculum construction; contest (selection and expansion).

- Focalization
- Socialization
- Individualization
- Sequence and operation
- Steps in curriculum construction.

UNIT-III Curriculum-Old and new concepts, Mechanics of curriculum planning.

- Basic principles of curriculum construction.
- Curriculum Design, Meaning, Importance and factors affecting curriculum design.
- Principles of Curriculum design according to the needs of the students and state and national level policies.
- Role of Teachers

UNIT-IV Under-graduate preparation of professional preparation.

- Areas of Health education, Physical education and Recreation.
- Curriculum design-Experience of Education, Field and Laboratory.○Teaching practice.
- Professional Competencies to be developed-Facilities and special resources for library, laboratory and other facilities.

Reference:

- Barrow, H. M. (1983). *Man and movement: principles of physical education*. Philadelphia: Lea and Febiger.
- Bucher, C. A. (1986). *Foundation of physical education*: St. Louis: The C. V. Mosby & Company.
- Cassidy, R. (1986). *Curriculum development in physical education*. New York: Harper & Company.

Cowell, C.C. & Hazelton, H.W. (1965). *Curriculum designs in physical education*. Englewood Cliffs: N.J. prentice Hall Inc.

Larson, L.A. (n.d.). *Curriculum foundation in physical education*. Englewood Cliffs: N.J. Prentice Hall Inc.

Underwood, G. L. (1983). *The physical education curriculum in secondary school: planning and implementation*. England: Taylor and Francis Ltd.

Willgoose, C.E. (1979). *Curriculum in physical education*. 3rd Ed. Englewood Cliffs.: N.J. Prentice Hall, Inc.

Semester – IV
Theory Courses

**CC-401 MEASUREMENT AND EVALUATION IN PHYSICAL
EDUCATION**

Unit- I Introduction to Test & Measurement & Evaluation

- Meaning of Test & Measurement & Evaluation in Physical Education
- Need & Importance of Test & Measurement & Evaluation in Physical Education
- Principles of Evaluation

Unit- II Criteria; Classification and

Administration of test ○ **Criteria of good Test**

- Criteria of tests, scientific authenticity (reliability, objectivity, validity and availability of norms)
- Type and classification of Test
- Administration of test, advance preparation–Duties during testing–Duties after testing.

Unit- III Physical Fitness

Tests ○ **AAHPER youth**

fitness test

○ **National physical Fitness**

Test ○ **Indiana Motor**

Fitness Test

- **JCR test**
- **U.S Army Physical Fitness Test**

Unit- IV Sports Skill Tests

○ **Lockhart and McPherson**

badminton test ○ **Johnson**

basketball test

○ **McDonald**

soccer test ○

S.A.I volleyball

test ○ **S.A.I**

Hockey test

References:

Bangsbo, J. (1994). *Fitness training in football: A scientific approach*. Bagsvaerd, Denmark: Ho+Storm.

Barron, H. M., & Mchee, R. (1997). *A practical approach to measurement in physical education*. Philadelphia: Lea and Febiger.

Barron, H.M. & Mchee, R. (1997). *A Practical approach to measurement in physical education*. Philadelphia: Lea and Febiger.

Awasure, Vivek G. & Joshi, A.R. (2015) Test, Measurement & Evaluation in Physical Education, Nagpur : Amit Brothers Publications

Charde, S.K., Hussain, Showkat & Kanwar, A.R. (2013) Test, Measurement and Evaluation in Physical Education, Nagpur: Amit Brothers Publications

Kansal, D.K. (1996). *Test and measurement in sports and physical education*. New Delhi: D.V.S. Publications.

Mathews, D.K., (1973). *Measurement in physical education*, Philadelphia: W.B.SoundersCompnay.

Pheasant, S. (1996). *Body space: anthropometry, ergonomics and design of work*. Taylor & Francis, New York.

Phillips, D. A., &Hornak, J. E. (1979). *Measurement and evaluation in physical education*. New York: John Willey and Sons.

Sodhi, H.S., &Sidhu, L.S. (1984). *Physique and selection of sports- a kinanthropometric study*. Patiala: Punjab Publishing House.

**Semester – IV
Theory Courses**

CC-402 KINESIOLOGY AND BIOMECHANICS

Unit – I Introduction to Kinesiology and Sports Biomechanics

- Meaning and Definition of Kinesiology and Sports Biomechanics
- Importance of Kinesiology and Sports Biomechanics to Physical Education Teacher, Athletes and Sports Coaches.
- Terminology of Fundamental Movements
- Fundamental concepts of following terms – Axes and Planes, Centre of Gravity, Equilibrium, Line of Gravity

Unit – II Fundamental Concept of Anatomy and

Physiology ○ Classification of Joints and Muscles

- Types of Muscle Contractions
- Posture–Meaning, Types and Importance of good posture.
- Fundamental concepts of following terms- Angle of Pull, All or None Law, Reciprocal Innovation

Unit – III Mechanical Concepts

- Force - Meaning, definition, types and its application to sports activities
- Lever - Meaning, definition, types and its application to human body.
- Newton's Laws of Motion–Meaning, definition and its application to sports activities.
- Projectile–Factors influencing projectile trajectory.

Unit – IV Kinematics and Kinetics of Human Movement

- Linear Kinematics–Distance and Displacement, speed and velocity, Acceleration
- Angular kinematics – Angular Distance and Displacement, Angular Speed and velocity, Angular Acceleration.
- Linear Kinetics–Inertia, Mass, Momentum, Friction.
- Angular Kinetics–Moment of inertia, Couple, Stability.

Reference:

- Bunn, J. W. (1972). *Scientific principles of coaching*. Englewood Cliffs, N.J.: Prentice Hall Inc.
- Hay, J. G. & Reid, J. G. (1982). *The anatomical and mechanical basis of human motion*. Englewood Cliffs, N.J.: prentice Hall Inc.
- Hay, J. G. & Reid, J. G. (1988). *Anatomy, mechanics and human motion*. Englewood Cliffs, N.J.: prentice Hall Inc.
- Hay, J. G. (1970). *The biomechanics of sports techniques*. Englewood Cliffs, N.J.: Prentice Hall, Inc.
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Semester – IV
Theory Courses
CC-403 RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

Unit-I Introduction to Research

- Definition of Research
- Need and importance of Research in Physical Education and Sports.
- Scope of Research in Physical Education & Sports.
- Classification of Research
- Research Problem, Meaning of the term, Location and criteria of Selection of Problem, Formulation of a Research Problem, Limitations and Delimitations.

Unit-II Survey of Related Literature

- Need for surveying related literature.
- Literature Sources, Library Reading
- Research Proposal, Meaning and Significance of Research Proposal.
- Preparation of Research proposal / project.
- Research Report: A group project is to be undertaken by a small batch of students under the supervision of a teacher, wherein it is expected to survey school facilities of physical education, health assessment programme evaluation, fitness status of the students, staff and other stakeholders etc. and submit the report to the institution.

Unit-III Basics of Statistical Analysis

- Statistics: Meaning, Definition, Nature and Importance
- Class Intervals: Raw Score, Continuous and Discrete Series, Class Distribution, Construction of Tables
- Graphical Presentation of Class Distribution: Histogram, Frequency Polygon, Frequency Curve. Cumulative Frequency Polygon, Ogive, Pie Diagram

Unit- IV Statistical Models in Physical Education and Sports

- Measures of Central Tendency: Mean, Median and Mode-Meaning, Definition, Importance, Advantages, Disadvantages and Calculation from Group and Ungrouped data
- Measures of Variability: Meaning, importance, computing from group and ungroup data
- Percentiles and Quartiles: Meaning, importance, computing from group and ungroup data

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**Semester – IV
Theory Courses**

EC-401 THEORY OF SPORTS AND GAMES (ELECTIVE)

UNIT-I INTRODUCTION

General Introduction of specialized games and sports– ○

Athletics,

- Badminton,
- Basketball, ○

Cricket,

- Football,
- Gymnastic, ○

Hockey,

- Handball,
- Kabaddi,
- Kho-Kho,
- Tennis,
- Volleyball and
- Yoga.

Each game or sports to be dealt under the following heads

- History and development of the Game and Sports ○

Ground preparation, dimensions and marking

- Standard equipment and their specifications
- Ethics of sports and sportsmanship

UNIT-II Scientific Principles of coaching: (particular sports and game specific)

- Motion – Types of motion and Displacement, Speed, Velocity, Acceleration, Distance and Newton's Law of motions.
- Force–Friction, Centripetal and Centrifugal force, Principles of force.○ Equilibrium and its types
- Lever and its types
- Sports Training–Aims, Principles and characteristics.
- Training load–Components, Principles of load, Over Load (causes and symptoms).

UNIT-III Physical fitness components: (particular sports and game specific)

○ Speed and its

types○ Strength and its types

○ Endurance and its

types○ Flexibility and its types

- Coordinative ability and its types
- Training methods: - Development of components of physical fitness and motor fitness through following training methods (continuous method, interval method, circuit method, fartlek /speed play and weight training)

UNIT-IV Conditioning exercises and warming up.

- **Concept of Conditioning and warming up.**
- **Role of weight training in games and sports.**
- **Teaching of fundamental skill & their mastery (technique, tactic and different phases of skill acquisition).**
- **Recreational and Lead up games**
- **Strategy–Offence and defense, Principles of offence and defense.**

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Bunn, J. W. (1968). *The art of officiating sports*. Englewood cliffs N.J. Prentice Hall.

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Semester – IV

Theory Courses

EC-402 SPORTS MANAGEMENT

Unit-I

- Nature and Concept of Sports Management.
- Progressive concept of Sports management.
- The purpose and scope of Sports Management.
- Essential skills of Sports Management.
- Qualities and competencies required for the Sports Manager.
- Event Management in physical education and sports.

Unit-II

- Meaning and Definition of leadership
- Leadership style and method.
- Elements of leadership.
- Forms of Leadership.
 - Autocratic
 - Laissez-faire
 - Democratic
 - Benevolent Dictator
- Qualities of administrative leader.
- Preparation of administrative leader.
- Leadership and Organizational performance.

Unit-III

- Sports Management in Schools, colleges and Universities.
- Factors affecting planning
- Planning a school or college sports programme.
- Directing of school or college sports programme.
- Controlling a school, college and university sports programme.
 - Developing performance standard
 - Establishing a reporting system
 - Evaluation
 - The reward/punishment system

Unit-IV

- Financial management in Physical Education & sports in schools, Colleges and Universities.
- Budget–Importance, Criteria of good budget, ○ Steps of Budget making
- Principles of budgeting

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- Bucher, C.A. *Administration of physical education and athletic programme*. 7th Edition, St. Louis: The C.V. Mosby Co.
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**Part – B
Practical Courses
Semester – I**

PC - 101

Track and Field:

Running Event

- **Starting techniques: Standing start, Crouch start and its variations, Proper use of blocks.**
- **Finishing Techniques: Run, Through, Forward lunging, Shoulder Shrug**
- **Ground Marking, Rules and Officiating**
- **Hurdles:**
 - **Fundamental Skills- Starting, Clearance and Landing Techniques.**
 - **Types of Hurdles**
 - **Ground Marking and Officiating.**

Relays: Fundamental Skills

- **Various patterns of Baton Exchange**
- **Understanding of Relay Zones**
- **Ground Marking**
- **Interpretation of Rules and Officiating.**

PC 102

Gymnastics: Floor Exercise

- **Forward Roll, Backward Roll, Sideward Roll, different kinds of scales, Leg Split, Bridge, Dancing steps, Head stand, Jumps-leap, scissors leap.**
- **Vaulting Horse**
- **Approach Run, Take off from the beat board, Cat Vault, Squat Vault.**

PC – 102

Swimming: Fundamental Skills

- **Entry into the pool.**
- **Developing water balance and confidence**
- **Water fear removing drills.**
- **Floating-Mushroom and Jelly fish etc.**
- **Gliding with and without kickboard.**
- **Introduction of various strokes**
- **Body Position, Leg, Kick, Arm pull, Breathing and Coordination.**
- **Start and turns of the concerned strokes.**
- **Introduction of Various Strokes.**
- **Water Treading and Simple Jumping.**

- Starts and turns of concerned strokes.
- Rules of Competitive swimming-officials and their duties, pool specifications, seeding heats and finals, Rules of the races.

PC – 102

Shooting Fundamental Skills

- Basic stance, grip, Holding rifle/ Pistol, aiming target
- Safety issues related to rifle shooting
- Rules and their interpretations and duties of officials

(Any one out of three)

PC – 103 Indigenous sports:

Kabaddi: Fundamental Skills

- Skills in Raiding-Touching with hand, various kicks, crossing of baulk line, Crossing of Bonus line, luring the opponent to catch, Pursuing.
- Skills of Holding the Raider-Variations formations, Catching from particular position, Different catches, Luring the raider to take particular position so as to facilitate catching, catching formations and techniques.
- Additional skills in raiding-Bringing the antis in to particular position, Escaping from various holds, Techniques of escaping from chain formation, Combined formations in offence and defense.
- Ground Marking, Rules and Officiating

PC – 103

Malkhambh and Light Apparatus:

- Lathi-Two counts exercises, Four Count exercises, eight count exercises, sixteen count exercises.
- GhatiLezuim-AathAawaaz, Bethakawaaz, AagePaon, Aagekadam, Do pherawaaz, Chaupherawaaz, Kadamtaal, Pavitra, Uchhakpavitra, Kadampavitra.
- Mass P.T. Exercises-Two count, four count and eight count exercises.
- Hindustani Lezuim-Char Awaaz, EkJagah, AantiLagaav, Pavitra, Do Rukh, ChauRukh, Chaurukhbethak, Momiya.
- Drill and Marching
- Malkhamb-Salaami, Hold, Saadiudi, Bagaludi, Dashrangudi, Bagliudi, Veludi, Soyodoro, Phirki, Padmasana, T.Balance, Pataka, Landing.
- Rope Malkhamb-Salaami, PadmasanaChadh, Katibandh1-2, Sadiadhi, Rikebpakkad, Rikebpagniadhi, Kamaradhi, Nakkikasadhi, Kamaradhi, Nakkikasadhi, Urubandhtedhi, Sadibagli, Do hatibagli, Kamarbandhbagli, nakkikasbagli, Dashrang, Hanuman pakad, Gurupakkad, various padmasana, Landing.

PC - 104

KhoKho:

- **General skills of the game-Running, chasing, Dodging, Faking etc.**
- **Skills in chasing-Correct Kho, Moving on the lanes, Pursuing the runner, Tapping the inactive runner, Tapping the runner on heels, Tapping on the pole, Diving, Judgement in giving Kho, Rectification of Foul.**
- **Skills in Running-Zigzag running, Single and double chain, Ring play, Rolling in the sides, Dodging while facing and on the back, fakes on the pole, fake legs, body arm etc, Combination of different skills.**
- **Ground Marking**
- **Rules and their interpretations and duties of officials.**

PC – 104

Dumbbells/ Wands/ Hoop/ Umbrella/ Tipri: Fundamentals skills

- **Apparatus/ Light apparatus Grip**
- **Attention with apparatus/ Light apparatus**
- **Stand-at-ease with apparatus/ light apparatus**
- **Exercise with verbal command, drum, whistle and music – Two count, Four count, Eight count and Sixteen count.**
- **Standing Exercise**
- **Jumping Exercise**
- **Moving Exercise**
- **Combination of above all**

Semester –

II PC – 201

Track and Field

Athletics: Jumping Events

- **High Jump (Straddle Roll)**
- **Approach Run,**
- **Take off**
- **Clearance over the bar.**
- **Landing**

PC – 202

Gymnastics:

- **Parallel Bar:**
- **Mount from one bar**
- **Straddle walking on parallel bars.**
- **Single and double step walk**
- **Perfect swing**
- **Shoulder stand on one bar and roll forward.**
- **Roll side**
- **Shoulder stand**
- **Front on back vault to the side(dismount)**

Horizontal /Single Bar:

- **Grip**
- **Swings**
- **Fundamental Elements**
- **Dismount**
- **Uneven Parallal Bar:**

Grip

- **Swings**
- **Fundamental Elements**
- **Dismount**

PC – 202

Yoga:

- **SuryaNamaskara,**
- **Pranayams**
- **CorrectiveAsanas**
- **Kriyas**
- **Asanas**
 - **Sitting**
 - **Standing**
 - **Laying Prone Position,**
 - **Laying Spine Position**

PC – 202

Swimming:

Introduction of water polo game

- **Fundamental skills** ○
- **Swimm with the ball** ○
- **Passing**
- **Catching**
- **Shooting**
- **Goal keeping**
- **Rules of the games and responsibility of officials**
Introduction of Diving sports.
- **Basic Diving Skills from spring boards**
- **Basic Diving Skills from platform**

PC – 202

Aerobics: Introduction of Aerobics

- **Rhythmic Aerobics - dance**
- **Low impact aerobics** ○
- **High impact aerobics** ○
- **Aerobics kick boxing**
- **Postures–Warm up and cool down**
- **THR Zone – Being successful in exercise and adaptation to aerobic workout.**

PC - 203

Badminton: Fundamental Skills

- **Racket parts, Racket grips, Shuttle**
- **Grips.**○ **The basic stances.**
- **The basic strokes-Serves, Forehand-overhead and underarm, Backhand-overhead and underarm**
- **Drills and lead up games**
- **Types of games-Singles, doubles, including mixed**
- **doubles.**○ **Rules and their interpretations and duties of officials.**

PC - 203

Table Tennis: Fundamental Skills

- **The Grip-The Tennis Grip, Pen Holder Grip.**
- **Service-Forehand, Backhand, Side Spin, High Toss.**
- **Strokes-Push, Chop, Drive, Half Volley, Smash, Drop-shot, Balloon, Flick Shot, Loop Drive.**
- **Stance and Ready position and foot work.**
- **Rules and their interpretations and duties of officials.**

PC – 203

Squash Fundamental Skills

- **Service- Under hand and Over hand** ○
- Service Reception**
- **Shot- Down the line, Cross Court** ○
- Drop**
- **Half Volley**
- **Tactics–Defensive, attacking in game**
- **Rules and their interpretations and duties of officials.**

PC – 203

Tennis: Fundamental Skills.

- **Grips- Eastern Forehand grip and Backhand grip, Western grip, Continental grip, Chopper grip.**
- **Stance and Footwork.**
- **Basic Ground strokes- Forehand drive, Backhand drive.** ○ **Basic service.**
- **Basic Volley.**
- **Over-head Volley.** ○ **Chop**
- **Tactics–Defensive, attacking in game**
- **Rules and their interpretations and duties of officials.**

Semester – III

PC – 301

Track and fields (Throwing Events)

- Discus Throw, Javelin, Hammer throw, shot-put
- Basic Skills and techniques of the Throwing events
- Ground Marking / Sector Marking
- Interpretation of Rules and Officiating.
- Grip
- Stance
- Release
- Reserve/ (Follow through action)
- Rules and their interpretations and duties of officials

PC – 302

Boxing: Fundamental Skills

- Player stance
- Stance - Right hand stance, left hand stance.
- Footwork—Attack, defense.
- Punches—Jab, cross, hook, upper cut, combinations.
- Defense slip—bob and weave, parry/block, cover up, clinch, counter attack
- Tactics—Toe to toe, counter attack, fighting in close, feinting
- Rules and their interpretations and duties of officials.

PC – 302

Martial Arts/Karate: Fundamental Skills

- Player Stances—walking, hand positions, front-leaning, side-fighting.
- Hand Techniques - Punches (form of a punch, straight punch, and reverse punch), Blocks (eight basic).
- Leg Techniques - Snap kicks, stretching straight leg, thrust kicks, sidekicks, round house.
- Forms - The first cause Katas.
- Self Defense - against punches, grabs and strikes, against basic weapons (knife, club sticks).
- Sparring - One step for middle punch, high punch and groin punch. (Defended by appropriate block from eight basic blocks).
- Rules and their interpretations and duties of officials.

PC – 302

Taekwondo Fundamental Skills

- Player Stances—walking, extending walking, L stance, cat stance.
- Fundamental Skills—Sitting stance punch, single punch, double punch, triple punch.
- Punching Skill from sparring position – front-fist punch, rear fist punch, double punch, and four combination punch.
- Foot Techniques (Balgisul) – standing kick (soseochagi), Front kick (AP chagi), Arc kick (BandalChagi), Side kick, (YeopChagi), Turning kick (DollyoChagi), Back kick (Twit Chagi), Reverse turning kick (BandaedollyoChagi), Jump kick (TwimyoChagi),
- Poomsae (Forms) – Jang, Yi Jang, Sam Jang, Sa Jang, O Jang, Yook Jang, Chil Jang, Pal Jang (Fundamental Movement – eye control, concentration of spirit, speed control, strength control, flexibility, balance, variety in techniques)
- Sparring (Kyorugi) – One Step Sparring (hand techniques, foot techniques, self defense techniques, combination kicks), Free Sparring.
- Board Breaking (Kyokpa)—eye control, balance, power control, speed, point of attack.
- Rules and their interpretations and duties of officials.

PC – 302

Judo: Fundamental skills

- Rei (Salutation)-Ritsurei(Salutation in standing position), Zarai (Salutation in the sitting position)
- Kumi kata (Methods of holding judo costume)
- Shisei (Posture in Judo)
- Kuzushi (Act of disturbing the opponent posture)
- Tsukuri and kake (Preparatory action for attack)
- Ukemi (Break Fall)-UrhiroUkemi (Rear break Fall), Yoko Ukemi (Side Break Fall), Mae Ukemi (Front Break Fall), Mae mawariUkemi (Front Rolling break fall)
- Shin Tai (Advance or retreat foot movement)-Suri-ashi (Gliding foot), Twugi-ashi (Following footsteps), Ayumi-ashi (Waling steps).
- TaiSabaki (Management of the body)
- NageWaze (Throwing techniques)-HizaGuruma (Knee wheel), SesaeTwurikomi-ashi (Drawing ankle throw), De ashihari (Advance foot sweep), O Goshi (Major Ioinm), SeoiNage (Shoulder throw).
- Katamawaze(Grappling techniques)-Kesagatame (Scaff hold), Kata gatame (Shoulder hold), Kami shihogatama (Locking of upper four quarters), Method of escaping from each hold.

PC – 302

Wrestling: Fundamental Skills

- Take downs, Leg tackles, Arm drag.
- Counters for take downs, Cross face, Whizzer series.
- Escapes from under-sit-out turn in tripped.
- Counters for escapes from under-Basic control back drop, Counters for stand up.
- Pinning combination-Nelson series(Half Nelson, Half Nelson and Bar arm), Leg lift series, Leg cradle series, Reverse double bar arm, chicken wing and half Nelson.
- Escapes from pinning: Wing lock series, Double arm lock roll, Cridge.
- Standing Wrestling-Head under arm series, whizzer series
- Referees positions.

PC – 302

Fencing: Fundamental Skill

- Basic Stance - on-guard position (feet and legs)
- Footwork—advance, retire, lunge, Step-lunge
- Grip—hold a foil correctly, Etiquette—salute and handshake to coaches and partners
- Hit a target (glove, mask, person) at riposte distance
- Lunge from an on-guard position.
- Attack - simple attacks from sixte – direct, disengage, doublé attack, compound attacks high line – one-two and cut-over disengage, Cut-over attack, Low line attacks
- Semi circular parries—octave and septime
- Understand the layout of a piste.
- Compound or successive parries.
- Lateral parry and direct riposte
- Fence a bout—judges etc. salutes and handshakes
- Rules and their interpretations and duties of officials.

PC 303 Team Games

PC 303

Base Ball Fundamental Skills

- Player Stances—walking, extending walking, L stance, cat stance.
- Grip—standard grip, choke grip,
- Batting—swing and bunt.
- Pitching—

- **Baseball** : slider, fast pitch, curve ball, drop ball, rise ball, change up, knuckle ball, screw ball,
- **Softball**: windmill, sling shot, ○
- starting position**: wind up,
- set.**○ **Fielding**–
 - **Catching**: basics to catch fly hits, rolling hits, ○
 - Throwing**: over arm, side arm.
- **Base running**–
 - **Base running**: single, double, triple, home run,
 - **Sliding**: bent leg slide, hook slide, head first slide.
- **Rules and their interpretations and duties of officials.**

PC 303

Netball: Fundamental Skills

- **Catching**: one handed, two handed, with feet grounded, in flight.
- **Throwing** (different passes and their uses): one handed passes (shoulder, high shoulder, underarm, bounce, lob); two handed passes (push, overhead, bounce).
- **Footwork**: landing on one foot; landing on two feet; pivot; running pass.
- **Shooting**: one hand; two hands; forward step shot; backward step shot.
- **Techniques of getting free**: dodge and sprint; sudden sprint; sprint and stop; sprinting with change of speed.
- **Defending**: marking the player; marking the ball; blocking; inside the circle; outside the circle (that is, defending the circle edge against the pass in).
- **Intercepting**: pass; shot.
- **The toss-up**.
- **Role of individual players**
- **Rules and their interpretations and duties of officials.**

PC – 303

Cricket: Fundamental Skills

- **Batting**-Forward and backward defensive stroke ○
- Bowling**-Simple bowling techniques
- **Fielding**-Defensive and offensive fielding ○
- Catching**-High catching and Slip catching ○
- Stopping and throwing techniques**
- **Wicket keeping techniques**

PC 303

Football: Fundamental Skills

- Kicks-Inside kick, Instep kick, Outer instep kick, lofted kick
- Trapping-trapping rolling the ball, trapping bouncing ball with sole ○
- Dribbling-With instep, inside and outer instep of the foot.
- Heading-From standing, running and jumping.○Throw in
- Feinting-With the lower limb and upper part of the body.○Tackling-Simple tackling, Slide tackling.
- Goal Keeping-Collection of balls, Ball clearance-kicking, throwing and deflecting.

PC 303

Hockey: Fundamental Skills

- Player stance & Grip○Rolling the ball
- Dribbling ○
- Push
- Stopping
- Hit
- Flick
- Scoop
- Passing-Forward pass, square pass, triangular pass, diagonal pass, return pass,
- Reverse hit
- Dodging
- Goal keeping-Hand defence, foot defence ○
- Positional play in attack and defense.
- Rules and their interpretations and duties of officials.○Rules and their interpretations and duties of officials.
- Ground Marking.

PC – 303

Softball Fundamental Skills

- Catching: one handed, two handed, with feet grounded, in flight.
- Throwing (different passes and their uses): one handed passes (shoulder, high shoulder, underarm, bounce, lob); two handed passes (push, overhead, bounce).
- Footwork: landing on one foot; landing on two feet; pivot; running pass.○Shooting: one hand; two hands; forward step shot; backward step shot.

- Techniques of getting free: dodge and sprint; sudden sprint; sprint and stop; sprinting with change of speed.
- Defending: marking the player; marking the ball; blocking; inside the circle; outside the circle (that is, defending the circle edge against the pass in).
- Intercepting: pass;
- shot.○The toss-up.
- Role of individual players
- Rules and their interpretations and duties of officials.

PC 303

Volleyball: Fundamental Skills

- Players Stance-Receiving the ball and passing to the team mates,
 - The Volley (Over head pass),
 - The Dig(Under hand pass).
 - Service-Under Arm Service, Side Arm Service, Tennis Service, Round Arm Service.
 - Rules and their interpretations and duties of officials.
- PC - 303

Hand Ball:

- Fundamental Skills-Catching, Throwing, Ball Control, Goal Throws-Jump Shot, Centre Shot, Dive Shot, Reverse Shot, Dribbling-High and Low, Attack and Counter Attack, Simple Counter Attack, Counter Attack from two wings and centre, Blocking, Goal keeping, Defense.
- Rules and their interpretations and duties of officials.

PC – 303

Basket ball: Fundamental Skills

- Player stance and ball handling
 - Passing-Two Hand chest pass, Two hand Bounce Pass, One Hand Base ball pass, Side Arm Pass, Over Head pass, Hook Pass.
 - Receiving-Two Hand receiving, One hand receiving, Receiving in stationary position, Receiving while jumping, Receiving while running.
 - Dribbling-How to start dribble, How to drop dribble, High dribble, Low dribble, Reverse dribble, Rolling dribble.
 - Shooting-Layup shot and its variations, one hand set shot, One hand jump shot, Hook shot, Free throw.
 - Rebounding-Defensive rebound, Offensive rebound, Knock out, Rebound
- Organization.○Individual Defensive-Guarding the man with the ball and without the ball.
- Pivoting.
 - Rules and their interpretations and duties of the officials.

- TP – 201 Teaching practices:**
10 teaching practice lessons out of which 5 lessons in class-room situation and 5 lessons for out-door activities within premises on the students of B.P.Ed course.
- TP – 301 Teaching practices:**
10 teaching lesson plans for Racket Sport/ Team Games/ Indigenous Sports out of which 5 lessons internal and 5 lessons external at school.
- TP – 401 Sports Specialization: Track and field / Gymnastics / Swimming**
(4 internal lesson at practicing school and 1 final external lesson on the students of practicing school as a sports specialization of any discipline mentioned above.)
- TP- 402 Games Specialization: Kabaddi, Kho-kho, Base ball, cricket, Football, Hockey, Softball Volleyball, Handball, Basketball, Netball, Badminton, Table Tennis, Squash, Tennis**

(4 internal lesson at practicing school and 1 final external lesson on the students of practicing school as a games specialization of any discipline mentioned above.)

Note: Where ever details of any activities are not mentioned, it is expected to elaborate skills by the competent bodies of local Universities.

Table – 1: Semester wise distribution of hours per week

Semester	Theory	Practicum	Teaching practice	Total
I	16	24	00	40
II	16	18	6	40
III	16	18	6	40
IV	16	12	12	40
Total	64	72	24	160
Minimum of 36 teaching hours per week is required in five or six days in a week				

Table – 2: Number of credits per semester

Semester	Theory	Practicum	Teaching practice	Total
I	16	16	00	32
II	16	12	04	32
III	16	12	04	32
IV	16	08	08	32
Total	64	48	16	128
Minimum of 36 teaching hours per week is required in five or six days in a week				

Appendix II

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala , Wardha

B.P.E.S.(Three Year U.G. Course)Theory Time Table 2023-24

	Class	10:00am to 10:45am	10:45am to 11:30am	11:30am to 12:15am
Monday	B.P.E.-1 st .	Elements of Phy.Edu. (Prof. Manisha Nagose)	Anatomy & Physiology (Dr. yelne)	History (Dr. S. Dakhore)
	B.P.E.-2 nd year	Yoga (Prof.sohan R. Satpute)	History Dr. S. Dakhore)	Psychology of Exercises& kinesiology (Dr. yelne)
	B.P.E-Final year	History (Dr. S. Dakhore)	Recreation (Prof.sohan R. Satpute)	Principles History& Phy. Edu. (Dr. Shahnawaj)
Tuesday	B.P.E.-1 st .	History (Dr. S. Dakhore)	Anatomy & Physiology (Dr. yelne)	Elements of Phy.Edu. (Prof. Manisha Nagose)
	B.P.E.-2 nd year	Yoga (Prof.sohan R. Satpute)	History (Dr. S. Dakhore)	Psychology of Exercises& kinesiology (Dr. yelne)
	B.P.E-Final year	Principles History& Phy.Edu. (Dr. Shahnawaj)	Recreation (Prof.sohan R. Satpute)	History (Dr. S. Dakhore)
Wednesday	B.P.E.-1 st .	History (Dr. S. Dakhore)	Elements of Phy.Edu. (Prof. Manisha Nagose)	Anatomy & Physiology (Dr. yelne)
	B.P.E.-2 nd year	Yoga (Prof.sohan R. Satpute)	Psychology of Exercises& kinesiology (Dr. yelne)	History (Dr. S. Dakhore)
	B.P.E-Final year	Principles History& Phy.Edu. (Dr. Shahnawaj)	History (Dr. S. Dakhore)	Recreation (Prof.sohan R. Satpute)
Thursday	B.P.E.-1 st .	Health ,Hygieneand Sanitation (Prof. Manisha Nagose)	Language (Prof. Rajnish Chamoli)	General Science (Prof. Sohan Satpute)
	B.P.E.-2 nd year	Methods in Physical edu. (Prof. Rajnish Chamoli)	Educational psycholgy & Coun.& Guidance (Dr. Shahnawaj)	
	B.P.E-Final year	Organigation & Administration In Phy.Edu. (Prof. Sohan Satpute)	Offciating Coaching (Prof. Rajnish Chamoli)	Health Education & R.M.& corrective Phy.Edu. (Dr. Shahanawaj)
Friday	B.P.E.-1 st .	Language (Prof. Rajnish Chamoli)	Health ,Hygieneand Sanitation (Prof. Manisha Nagose)	General Science (Prof. Sohan Satpute)
	B.P.E.-2 nd year	Educational psycholgy & Coun.& Guidance (Prof. Satpute)	Methods in Physical edu. (Prof. Rajnish Chamoli)	
	B.P.E-Final year	Offciating Coaching (Prof. Sohan Satpute)	Organigation & Administration In Phy.Edu. (Prof. Sohan Satpute)	Health Education & R.M.& corrective Phy.Edu (Dr. Shahanawaj)
Saturday	B.P.E.-1 st .	Health ,Hygieneand Sanitation (Prof. Manisha Nagose)	Language (Prof. Rajnish Chamoli)	General Science (Prof. Sohan Satpute)
	B.P.E.-2 nd year	Methods in Physical edu. (Prof. Rajnish Chamoli)	Educational psycholgy & Coun.& Guidance (Prof. satpute)	
	B.P.E-Final year	Organigation & Administration In Phy.Edu. (Prof. Sohan Satpute)	Offciating Coaching (Prof. Rajnish Chamoli)	Health Education & R.M.& corrective Phy.Edu (Dr. Shahanawaj)

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Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
 Practical Time Table B.P.E.S(Three Year CBCS Course) 2023-24
 EVENING Assembly

	Class	4:00 pm to 4:30 pm	4:30 pm to 5:10 pm	5:10pm to 5:50 pm	5:50 pm to 6:30 pm
Monday	B.P.E.-1 st SEM..	Kho-Kho (Dr. Dinkar)	Volley-Ball (Prof.Manisha nagose)	Long- Jump (Prof. Rajnish Chamoli)	Free Play
	B.P.E.S-2 nd SEM.	Javelin (Prof. Rajnish Chamoli))	Kho-Kho (Dr.Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E.S-3 rd SEM	Kabaddi Dr.Atkare	Hand-Ball (DR. Shahnawaj)	Shot-Put (Prof.Dakhore)	Free Play
Tuesday	B.P.ES1SEM.	Kho-Kho (Dr. Dinkar)	Volley-Ball (Prof.Manisha Nagose)	Long- Jump (Prof. Rajnish Chamoli)	Free Play
	B.P.E.S-2 nd SEM	Javelin (Prof. Rajnish Chamoli))	Kho-Kho (Dr. Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E.S-3 rd SEM	Kabaddi Dr.Atkare	Hand-Ball Dr .Shahnawaz	Shot-Put (Prof.Dakhore)	Free Play
Wednesday	B.P.E.S.-1 st SEM.	Kho-Kho (Dr. Dinkar)	Volley-Ball Prof.Manisha Nagose)	Long- Jump (Prof. Rajnish Chamoli)	Free Play
	B.P.E.S-2 nd SEM,	Javelin (Prof. Rajnish Chamoli))	Kho-Kho (Dr. Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E.S-3 rd SEM	Kabaddi Dr.Atkare	Hand-Ball (Prof. Rajnish Chamoli)	Shot-Put (Prof.Dakhore)	Free Play
Thursday	B.P.E.S-1 st SEM.	Kho-Kho (Dr. Dinkar)	Volley-Ball (Prof. Rajnish Chamoli)	Long- Jump Dr.Atkare	Free Play
	B.P.E.S-2 nd SEM	Javelin (Prof. Rajnish Chamoli))	Kho-Kho (Dr. Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E.S-3 rd SEM	Kabaddi Dr.Atkare	Hand-Ball (DR. Shahnawaj)	Shot-Put (Prof.Dakhore)	Free Play
Friday	B.P.E.S-1 st SEM.	Kho-Kho (Dr. Dinkar)	Volley-Ball Prof.Manisha Nagose	Long- Jump (Prof. Rajnish Chamoli)	Free Play
	B.P.E.S-2 nd SEM	Javelin (Prof. Rajnish Chamoli))	Kho-Kho (Dr. Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E.S-3 rd SEM	Kabaddi Dr.Atkare	Hand-Ball (DR. Shahnawaj)	Shot-Put (Prof.Dakhore)	Free Play
	B.P.E.S.1ST SEM [†] .	Kho-Kho (Dr. Dinkar)	Volley-Ball Prof.Manisha Nagose	Long- Jump (Prof. Rajnish Chamoli)	Free Play

Saturday	B.P.E-2 nd SEM	Javelin (Prof. Rajnish Chamoli)	Kho-Kho (Dr. Dinkar)	Hand-Ball (DR. Shahnawaj)	Free Play
	B.P.E-S 3 RD SEM	Kabaddi Dr.Atkare	Hand-Ball (DR. Shahnawaj)	Shot-Put (Prof.Dakhore)	Free Play

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
Practical Time Table B.P.ES-(Three Year Course) 2023-24
Morning Assembly

	Class	6:30 am to 7:15 am	7:15 am to 8:00 am	8:00 am to 8:45 am	8:45 am to 9:00 am
Monday	B.P.E.S-1 st SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Free Play
	B.P.ES-2 nd SEM	Yogasana (Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play
	B.P.ES 3 RD SEM	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play
Tuesday	B.P.E.S-1 st SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Free Play
	B.P.E-2 nd SEM	Yogasana (Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play
	B.P.ES- SEM	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play
Wednesday	B.P.E.-1 st SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Free Play
	B.P.E-2 nd SEM	Yogasana (Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play
	B.P.ES 3 RD SEM	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play
Thursday	B.P.E.S-1 st SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Free Play
	B.P.ES 2 ND SEM	Yogasana (Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play
	B.P.ES-3 RD SEM	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play
Friday	B.P.E.-1 st SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana (Prof. Pragati Manikkule)	Free Play
	B.P.ES- 3 RD SEM	Yogasana(Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play

	B.P.ES 3ED SEM	Gymnastic (Prof.Rajnish Chamoli)	Yogasana(Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play
Saturday	B.P.ES 1ST SEM	Drill & Marching (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Yogasana(Prof. Pragati Manikkule)	Free Play
	B.P.E-2 nd SEM	Yogasana(Prof. Pragati Manikkule)	Wands (Prof.Sohan Sir)	Gymnastic (Prof. Rajnish Chamoli)	Free Play
	B.P.ES 3 RD SEM	Gymnastic (Prof. Rajnish Chamoli)	Yogasana(Prof. Pragati Manikkule)	Lezium (Prof. Rajnish Chamoli)	Free Play

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala , Wardha

B.P.Ed. Theory Time Table 2023-24 Semester -1st.

	10:00am to 10:50 am	10:50 am to 11:40 am	11:40 am to 12:30 am
	Section –A	Section –A	Section –A
Monday	History, Principles and foundation of Physical Education (Prof. Rajneesh R. Chamoli)	Health Education and Environmental Studies (Dr. Sohan Satpute)	Olympic Movement (Dr. Arun Atkare)
	Section –B	Section –B	Section –B
	Health Education and Environmental Studies (Dr. Arun Atkare)	History, Principles and foundation of Physical Education (Prof. Rajneesh R. Chamoli)	Oficiting Coaching (Dr. Sohan Satpute)
Tuesday	Section –A	Section –A	Section –A
	Health Education and Environmental Studies (Dr. Sohan Satpute)	Olympic Movement (Prof. Rajneesh R. Chamoli)	History, Principles and foundation of Physical Education (Dr. Mhd.Shahnawaj)
	Section –B	Section –B	Section –B
	History, Principles and foundation of Physical Education ()	Oficiting Coaching (Dr. Sohan Satpute)	Health Education and Environmental Studies (Dr. Mhd.Shahnawaj)
Wednesday	Section –A	Section –A	Section –A
	Olympic Movement (Dr. Satendra Singh)	History, Principles and foundation of Physical Education (Prof. Rajneesh R. Chamoli)	Health Education and Environmental Studies (Dr. Sohan Satpute)
	Section –B	Section –B	Section –B
	Oficiting Coaching (Dr. Abhay Buchha)	Health Education and Environmental Studies (Dr. Sohan Satpute)	History, Principles and foundation of Physical Education (Prof. Rajneesh R. Chamoli)
Thursday	Section –A	Section –A	Section –A
	Oficiting and Coaching (Dr. Abhay Buchha)	Anatomy and Physiology (Dr. Yelne)	Health Education and Environmental Studies (Dr. Dunil Shamrao Dakhole)
	Section –B	Section –B	Section –B
Friday	Olympic Movement (Prof. Rajneesh R. Chamoli)	Health Education and Environmental Studies (Dr. Sohan Satpute)	History, Principles and foundation of Physical Education (Dr. Dunil Shamrao Dakhole)
	Section –B	Section –B	Section –B
	Oficiting and Coaching (Dr. Abhay Buchha)	Health Education and Environmental Studies (Dr. Sohan Satpute)	History, Principles and foundation of Physical Education (Prof. Rajneesh R. Chamoli)
Saturday	(Boath Section) Weekly Test		

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala , Wardha

B.P.Ed. Theory Time Table 2023-24 Semester –II

	10:00am to 10:50 am	10:50 am to 11:40 am	11:40 am to 12:30 am
	Section –A	Section –A	Section –A
Monday	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)	Organization and Administration (Dr. Satendra Singh)
	Section –B	Section –B	Section –B
	Sports Nutrition and Weight Management (Dr. Sunil Dakhole)	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)
Tuesday	Section –A	Section –A	Section –A
	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)	Organization and Administration (Dr. Satendra Singh)
	Section –B	Section –B	Section –B
Wednesday	Sports Nutrition and Weight Management (Dr. Sunil Dakhole)	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Satendra Singh)
	Section –A	Section –A	Section –A
	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)	Organization and Administration (Dr. Satendra Singh)
	Section –B	Section –B	Section –B
Thursday	Sports Nutrition and Weight Management (Dr. Sunil Dakhole)	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Satendra Singh)
	Section –A	Section –A	Section –A
	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)	Organization and Administration (Dr. Satendra Singh)
Friday	Section –B	Section –B	Section –B
	Sports Nutrition and Weight Management (Dr. Sunil Dakhole)	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education
	Section –A	Section –A	Section –A
Friday	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education (Dr. Mhd.Shahanawaz)	Organization and Administration (Dr. Satendra Singh)
	Section –B	Section –B	Section –B
	Sports Nutrition and Weight Management (Dr. Sunil Dakhole)	Yoga Education (Prof. Rajneesh R. Chamoli)	Educational Technology and Methods of Teaching in Physical Education

			(Dr. Mhd.Shahanawaz)
Saturday	(Boath Section)		

B.P.Ed. Theory Time Table 2023-24 Semester –III

	10:00am to 10:50 am	10:50 am to 11:40 am	11:40 am to 12:30 am
	Section –A	Section –A	Section –A
Monday	Sport Training (Prof. Sohan R. Satpute)	Sports Medicine, (Dr.Yelne)	Sports Psychology and Sociology (Dr. Abhay Buchha)
	Section –B	Section –B	Section –B
	Sports Psychology and Sociology (Dr. Abhay Buchha)	Curriculum Design (Dr. Sohan R. Satpute)	Sport Training (Dr. Arun Atkare)
Tuesday	Section –A	Section –A	Section –A
	Computer Applications in Physical Education (Dr.Sunil Dakhole)	Sports Psychology and Sociology (Dr. Abhay Buchha)	Curriculum (Dr. Sohan R. Satpute)
	Section –B	Section –B	Section –B
	Sports Psychology and Sociology (Dr. Satendra Singh)	Computer Applications in Physical Education (Prof. Sohan R. Satpute)	Sports Medicine, (Dr.Yelne)
Wednesday	Section –A	Section –A	Section –A
	Sport Training (Prof. Sohan R. Satpute)	Sports Psychology and Sociology (Dr. Abhay Buchha)	Curriculum (Dr. Sohan R. Satpute)
	Section –B	Section –B	Section –B
	Sports Psychology and Sociology (Dr. Satendra Singh)	Sport Training (Prof. Sohan R. Satpute)	Sports Medicine, (Dr.Yelne)
Thursday	Section –A	Section –A	Section –A
	Sports Psychology and Sociology (Dr. Abhay Buchha)	Sport Training (Prof. Sohan R. Satpute)	Curriculum (Prof. Sohan R. Satpute)
	Section –B	Section –B	Section –B
	Sports Psychology and Sociology (Dr. Satendra Singh)	Sport Training (Prof. Rajneesh R. Chamoli)	Computer Applications in Physical Education (Dr.Sunil Dakhole)
Friday	Section –A	Section –A	Section –A
	Sport Training (Prof. Sohan R. Satpute)	Sports Psychology and Sociology (Dr. Abhay Buchha)	Sports Medicine, (Dr.Yelne)
	Section –B	Section –B	Section –B
	Sports Psychology and Sociology (Dr. Satendra Singh)	Sport Training (Prof. Sohan R. Satpute)	Sports Medicine, (Dr.Yelne)
Saturday	(Boath Section) Weekly Test		

B.P.Ed. Theory Time Table 2023-24 Semester –IV

	10:00am to 10:50 am	10:50 am to 11:40 am	11:40 am to 12:30 am
	Section –A	Section –A	Section –A
Monday	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)	Kinesiology and Biomechanics (DR.A.K.Singh)	Research and Statistics in Physical Education (Prof. Rajneesh R. Chamoli)
	Section –B	Section –B	Section –B
	Kinesiology and Biomechanics (Dr. Mhd.Shahanwaj)	Research and Statistics in Physical Education (Prof. Rajneesh R. Chamoli)	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)
Tuesday	Section –A	Section –A	Section –A
	Kinesiology and Biomechanics (DR.A.K.Singh)	Sports Management (Dr.Abhay N . Buchha)	Theory of sports and game (Prof. Sohan R. Satpute)
	Section –B	Section –B	Section –B
	Sports Management (Dr.Abhay N . Buchha)	Theory of sports and game (Dr.Satendra Singh)	Kinesiology and Biomechanics (Dr.A.K.Singh)
Wednesday	Section –A	Section –A	Section –A
	Research and Statistics in Physical Education (Prof. Rajneesh R. Chamoli)	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)	Theory of sports and game (Dr.Satendra Singh)
	Section –B	Section –B	Section –B
	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)	Theory of sports and game (Dr.Satendra Singh)	Research and Statistics in Physical Education (Prof. Rajneesh R. Chamoli)
Thursday	Section –A	Section –A	Section –A
	Kinesiology and Biomechanics (Dr.A.K.Singh)	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)	Sports Management (Dr.Abhay N . Buchha)
	Section –B	Section –B	Section –B
	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)	Sports Management (Dr.Abhay N . Buchha)	Kinesiology and Biomechanics (Dr.A.K.Singh)
Friday	Section –A	Section –A	Section –A
	Research and Statistics in Physical Education (Prof. Rajneesh R. Chamoli)	Sports Management (Dr.Abhay N . Buchha)	Measurement and Evaluation in Physical Education (Dr. Sohan Satpute)
	Section –B	Section –B	Section –B
	Measurement and	Research and Statistics in	Sports Management

	Evaluation in Physical Education (Dr. Sohan Satpute)	Physical Education (DR.Arun G.Atkare)	(Dr.Abhay N . Buchha)
Saturday	(Boath Section) Weekly Test		

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha

Practical Time Table 2023-24 B.P.Ed.- Semester -I

Morning Assembly

	6:30 am to 7:15 am	7:15 am to 8:00 am	8:00 am to 8:45 am	8:45 am to 9:00 am
Monday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Ground Mass P.T (Dr. S. Satpute)	Drille Marching (Dr. A. Atkare)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Dr. Shahanawaj)	Drille Marching (Dr. A. Atkare)	Ground Mass P.T (Dr. Satyandra singh)	
Tuesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Ground Mass P.T (Dr. Satyandra singh)	Drille Marching (Dr. S. Satpute)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Dr. Shahanawaj)	Drille Marching (Dr. A. Atkare)	Ground Mass P.T (Dr. Satyandra singh)	
Wednesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Wands (Dr. Satyandra singh)	Dumbles (Dr. A. Atkare)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Dr. Shahanawaj)	Dumbles (Dr. A. Atkare)	Wands (Dr. Satyandra singh)	
Thursday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Wands (Dr. Satyandra singh)	Dumbles (Dr. A. Atkare)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Dr. Shahanawaj)	Dumbles (Dr. A. Atkare)	Wands (Dr. Satyandra singh)	
Friday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Dr. Satyandra singh)	Indian Club (Dr. S. Dakhole)	Malkhamb (Dr. sohan R.Satpute)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Sohan Sir)	Malkhamb (Prof. R Chamoli)	Indian Club (Dr. S. Dakhole)	
Saturday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Dr. Satyandra singh)	Indian Club (Dr. S. Dakhole)	Malkhamb (Prof. R Chamoli)	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Dr. Sohan Sir)	Malkhamb (Prof. R Chamoli)	Indian Club (Dr. S. Dakhole)	

Shrikrishna Sharirik Shikshan Mahavidylaya, New Mhasala ,wardha
Practical Time Table 2023-24B.P.Ed.- Semester –I
Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30
Monday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Running	Gymnastic	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Kabaddi	Malkhamb	
Tuesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Running	Gymnastic	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Kabaddi	Malkhamb	
Wednesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up Prof. Sohan R.Satpute	Running	Gymnastic	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Ajay Kumar)	Gymnastic	Kabaddi	
Thursday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up Prof. Sohan R.Satpute	Kho-Kho	Kabaddi	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Ajay Kumar)	Kabaddi	Kho-Kho	
Friday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Gymnastic	Kho-Kho	
	Section -B	Section -B	Section -B	
	Assembly and Warming Up (Prof. Sohan Sir)	Malkhamb	Kabaddi	
Saturday				Free Play
	Holiday	Holiday	Holiday	

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha

Practical Time Table 2023-24 B.P.Ed.- Semester –II

Morning Assembly

	6:30 am to 7:15 am	7:15 am to 8:00 am	8:00 am to 8:45 am	8:45 am to 9:00 am
Monday	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Jumping Event (Prof. Ajay Kumar)	Section -A Table Tennice (Prof. R Chamoli)	Free Play
	Section -B Assembly and Warming Up (Prof. Pranali Dahiwale)	Section -B Gymnastic (Prof. Ajay Kumar)	Section -B Badminton (Dr.A.K.Singh)	
Tuesday	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Jumping Event (Prof. Ajay Kumar)	Section -A Badminton (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up (Prof. Pranali Dahiwale)	Section -B Yoga (Prof. Sohan Sir)	Section -B Table Tennice (Prof. R Chamoli)	
Wednesday	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Yoga (Prof. Sohan Sir)	Section -A Table Tennice (Prof. R Chamoli)	Free Play
	Section -B Assembly and Warming Up (Prof. Ajay Kumar)	Section -B Jumping Event (Prof. Sohit Verma)	Section -B Badminton (Prof. Ajay Kumar)	
Thursday	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Gymnastic (Prof. Ajay Kumar)	Section -A Badminton (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up (Prof. Ajay Kumar)	Section -B Yoga (Prof. Sohan Sir)	Section -B Table Tennice (Prof. R Chamoli)	
Friday	Section -A Assembly and Warming Up	Section -A Jumping Event	Section -A Table Tennice (Prof. R Chamoli)	Free Play
	Section -B Assembly and Warming Up (Prof. Sohan Sir)	Section -B Gymnastic (Prof. Ajay Kumar)	Section -B Badminton (Prof. Ajay Kumar)	
Saturday	Section -A Assembly and Warming Up (Prof. Sohit Verma)	Section -A Yoga (Prof. Sohan Sir)	Section -A Yoga (Prof. Sohan Sir)	Free Play
	Section -B Assembly and Warming Up (Prof. Sohan Sir)	Section -B Yoga (Prof. Sohan Sir)	Section -B Yoga (Prof. Sohan Sir)	

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
 Practical Time Table 2023-24 B.P.Ed.- Semester –II
 Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30
Monday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Section -B	Section -B	Section -B	
Tuesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Section -B	Section -B	Section -B	
Wednesday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up Prof.sohan sir	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Section -B	Section -B	Section -B	
Thursday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up Prof.sohan sir	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Section -B	Section -B	Section -B	
Friday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Section -B	Section -B	Section -B	
Saturday	Section -A	Section -A	Section -A	Free Play
	Assembly and Warming Up (Prof. Sohan Sir)	Practice Teaching (Lesson Class Room)	Practice Teaching LessGame.	
	Holiday	Holiday	Holiday	

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha

Practical Time Table 2023-24 B.P.Ed.- Semester –III

Morning Assembly

	6:30 am to 7:15 am	7:15 am to 8:00 am	8:00 am to 8:45 am	8:45 am to 9:00 am
Monday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Throwing Events (Prof. Ajay Kumar)	Judo (Prof. Pranali Dahiwale)	
	Section –B	Section –B	Section –B	
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Judo (Prof. Pranali Dahiwale)	Throwing Events	
Tuesday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up (Prof. R Chamoli)	Wrestling (Prof.Sohan R.Satpute)	Volleyball Prof.sohan sir	
	Section –B	Section –B	Section –B	
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Volleyball Prof.sohan sir	Wrestling (Prof.Sohan R.Satpute)	
Wednesday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up Prof.Chamoli	Throwing Events Prof.Chamoli	Wrestling (Prof.Sohan R.Satpute)	
	Section –B	Section –B	Section –B	
	Assembly and Warming Up (Prof. Ajay Kumar)	Wrestling (Prof.Sohan R.Satpute)	Throwing Events Prof.Chamoli	
Thursday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up Prof.sohan sir	Judo (Prof. Pranali Dahiwale)	Volleyball Prof.sohan sir)	
	Section –B	Section –B	Section –B	
	Assembly and Warming Up (Prof. Ajay Kumar)	Volleyball Prof.sohan sir	Judo (Prof. Pranali Dahiwale)	
Friday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up Prof.Chamoli	Throwing Events Prof.Chamoli	Judo (Prof. Pranali Dahiwale)	
	Section –B	Section -B	Section –B	
	Assembly and Warming Up (Prof. Sohan Sir)	Judo (Prof. Pranali Dahiwale)	Throwing Events Prof.Chamoli	
Saturday	Section -A	Section -A	Section –A	Free Play
	Assembly and Warming Up (Prof. Pranali Dahiwale)	Wrestling (Prof.Sohan R.Satpute)	Volleyball Prof.sohan sir	
	Section –B	Section –B	Section –B	
	Assembly and Warming Up Prof.Chamoli	Volleyball Prof.sohan sir	Wrestling (Prof.Sohan R.Satpute)	

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
 Practical Time Table 2023-24 B.P.Ed.- Semester –III
 Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30
Monday	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Cricket (Prof. R Chamoli)	Section -A Basketball (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up (Prof. Pranali Dahiwale)	Section -B Basketball (Prof. Ajay Kumar)	Section -B Cricket (Prof. R Chamoli)	
	Section -A Assembly and Warming Up (Prof. R Chamoli)	Section -A Basketball (Prof. Ajay Kumar)	Section -A Football (Prof. Pranali Dahiwale)	
Tuesday	Section -B Assembly and Warming Up (Prof. Pranali Dahiwale)	Section -B Football (Prof. Pranali Dahiwale)	Section -B Basketball (Prof. Ajay Kumar)	Free Play
	Section -A Assembly and Warming Up (Prof. Ajay Kumar)	Section -A Cricket (Prof. R Chamoli)	Section -A Football (Prof. Pranali Dahiwale).	
	Section -B Assembly and Warming Up (Prof. Ajay Kumar)	Section -B Football (Prof. Pranali Dahiwale)	Section -B Cricket (Prof. R Chamoli)	
Wednesday	Section -A Assembly and Warming Up Prof.SohanSir	Section -A Practice Teaching (Lesson Class Room)	Section -A Practice Teaching LessGame.	Free Play
	Section -B Assembly and Warming Up (Prof. Ajay Kumar)	Section -B Lesson	Section -B Lesson	
	Section -A Assembly and Warming Up (Prof. Ajay Kumar)	Section -A Lesson	Section -A Lesson	
Thursday	Section -B Assembly and Warming Up (Prof. Sohan Sir)	Section -B Lesson	Section -B Lesson	Free Play
	Section -A Assembly and Warming Up (Prof. Sohan Sir)	Section -A Lesson	Section -A Lesson	
	Section -B Assembly and Warming Up (Prof. Sohan Sir)	Section -B Lesson	Section -B Lesson	
Friday	Holiday	Holiday	Holiday	Free Play
Saturday				Free Play

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
 Practical Time Table 2023-24 B.P.Ed.- Semester –IV
 Morning Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30
Monday	Section -A Assembly and Warming Up	Section -A Gymnastic (Prof. Ajay Kumar)	Section -A Kabaddi (Prof. R Chamoli)	Free Play
	Section -B Assembly and Warming Up	Section -B Kabaddi (Prof.Rajneesh R Chamoli)	Section -B Gymnastic (Prof. Ajay Kumar)	
Tuesday	Section -A Assembly and Warming Up	Section -A Cricket (Prof. Ajay Kumar)	Section -A Football (Prof. Pranali Dahiwale).	Free Play
	Section -B Assembly and Warming Up	Section -B Football (Prof. Pranali Dahiwale).	Section -B Cricket (Prof. Ajay Kumar)	
Wednesday	Section -A Assembly and Warming Up	Section -A Volleyball (Prof.Sohan R.Satpute)	Section -A Bascketball (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up	Section -B Bascketball (Prof. Ajay Kumar)	Section -B Volleyball (Prof.Sohan R.Satpute)	
Thursday	Section -A Assembly and Warming Up	Section -A Badmintain (Prof.Sohan R.Satpute)	Section -A Gymnastic (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up	Section -B Gymnastic (Prof.Rajneesh R Chamoli)	Section -B Badmintain (Prof.Sohan R.Satpute)	
Friday	Section -A Assembly and Warming Up	Section -A Volleyball (Prof.Sohan R.Satpute)	Section -A Gymnastic (Prof. Pranali Dahiwale).	Free Play
	Section -B Assembly and Warming Up	Section -B Gymnastic (Prof.Rajneesh R Chamoli)	Section -B Volleyball (Prof.Sohan R.Satpute)	
Saturday	Section -A Assembly and Warming Up	Section -A Gymnastic (Prof.Sohan R.Satpute)	Section -A Kabaddi (Prof. Rajneesh R Chamoli)	Free Play
	Section -B Assembly and Warming Up	Section -B Kabaddi (Prof. Rajneesh R Chamoli)	Section -B Gymnastic (Prof.Sohan R.Satpute)	

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
 Practical Time Table 2023-24 B.P.Ed.- Semester –IV
 Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30
Monday	Section -A Assembly and Warming Up	Section -A Kabaddi (Prof. R Chamoli)	Section -A Basketball (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up	Section -B Basketball (Prof. Ajay Kumar)	Section -B Kabaddi (Prof. R Chamoli)	
Tuesday	Section -A Assembly and Warming Up	Section -A Badminton (Prof. Ajay Kumar)	Section -A Football (Prof. Pranali Dahiwale).	Free Play
	Section -B Assembly and Warming Up	Section -B Football (Prof. Pranali Dahiwale).	Section -B Badminton (Prof. Ajay Kumar)	
Wednesday	Section -A Assembly and Warming Up	Section -A Lesson	Section -A Lesson	Free Play
	Section -B Assembly and Warming Up	Section -B Lesson	Section -B Lesson	
Thursday	Section -A Assembly and Warming Up	Section -A Football (Prof. Pranali Dahiwale).	Section -A Badminton (Prof. Ajay Kumar)	Free Play
	Section -B Assembly and Warming Up	Section -B Badminton (Prof. Ajay Kumar)	Section -B Football (Prof. Pranali Dahiwale).	
Friday	Section -A Assembly and Warming Up	Section -A Lesson	Section -A Lesson	Free Play
	Section -B Assembly and Warming Up	Section -B Lesson	Section -B Lesson	
Saturday	Section -A Holiday	Section -A Holiday	Section -A Holiday	Free Play
	Section -B			

Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
Practical Time Table 2023-24 M.P.Ed.- Semester I & III rd

Morning Assembly

	6:30 am to 7:15 am	7:15 am to 8:00 am	8:00 am to 8:45 am	8:45 am to 9:00 am
Monday	Assembly and Warming Up (Dr. A.K. Singh)	Yoga (Dr. D.K.Dinkar)	Lezium (Dr. Arun Atkare)	Free Play
Tuesday	Assembly and Warming Up (Dr. A.K. Singh)	Yoga (Dr. D.K.Dinkar)	Lezium (Dr. Arun Atkare)	Free Play
Wednesday	Assembly and Warming Up (Dr. Arun Atkare)	Yoga (Dr. D.K. Dinkar)	Arobics (Dr.Abhay Buchha)	Free Play
Thursday	Assembly and Warming Up (Dr. Arun Atkare)	Yoga (Dr. D.K. Dinkar)	Arobics (Dr.Abhay Buchha)	Free Play
Friday	Assembly and Warming Up (Dr. D.K. Dinkar)	Mass P.T. (Dr. A.K. Singh)	Suryanamaskar (Dr. Arun Atkare)	Free Play
Saturday	Assembly and Warming Up (Dr. D.K. Dinkar)	Mass P.T. (Dr. A.K. Singh)	Suryanamaskar (Dr. Arun Atkare)	Free Play

Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30 pm
Monday	Assembly and Warming Up (Dr. D.K. Dinkar)	Running (Dr. Arun Atkare)	Lab Work (Dr.Abhay N. Buchha)	Free Play
Tuesday	Assembly and Warming Up (Dr. D.K. Dinkar)	Running (Dr. Arun Atkare)	Lab Work (Dr.Abhay N. Buchha)	Free Play
Wednesday	Assembly and Warming Up (Dr. A.K. Singh)	Jumping Style &Practice (Dr. D.K. Dinkar)	Gymnastic (Dr. Arun Atkare)	Free Play
Thursday	Assembly and Warming Up (Dr. A.K. Singh)	Jumping Style &Practice (Dr. D.K. Dinkar)	Gymnastic (Dr. Arun Atkare)	Free Play
Friday	Assembly and Warming Up (Dr. Arun Atkare)	Throwing Event (Dr. A.K. Singh)	Lab Work (Dr.Abhay N. Buchha)	Free Play
Saturday	Assembly and Warming Up (Dr. Arun Atkare)	Throwing Event (Dr. A.K. Singh)	Lab Work (Dr.Abhay N. Buchha)	Free Play


Shrikrishna Sharirik Shikshan Mahavidyaya, New Mhasala ,wardha
Practical Time Table 2023-24 M.P.Ed.- Semester II

Morning Assembly

	6:30 am to 7:15 am	7:15 am to 8:15 am	8:15 am to 8:45 am	8:45 am to 9:00 am
Monday	Assembly and Warming Up (Dr. A.K. Singh)	Jumping Event (Dr. D.K.Dinkar)	Cricket (Dr. Buchha Sir)	Free Play
Tuesday	Assembly and Warming Up (Dr. D.K. Dinkar)	Cricket (Dr. Buchha Sir)	Jumping Event (Dr. D.K.Dinkar)	Free Play
Wednesday	Assembly and Warming Up (Dr. Arun Atkare)	Kabaddi (Dr.Arun Atkare)	Tabale Tennice (Dr.Abhay Buchha)	Free Play
Thursday	Assembly and Warming Up (Dr. A.K.Singh)	Volleyball (Dr. D.K. Dinkar)	Volleyball (Dr. D.K. Dinkar)	Free Play
Friday	Assembly and Warming Up (Dr. D.K. Dinkar)	Foot-ball (Dr. A.K. Singh)	Kabaddi (Dr. Arun Atkare)	Free Play
Saturday	Assembly and Warming Up (Dr. Arun Atkare)	Tabale Tennice (Dr.Abhay Buchha)	Foot-ball (Dr. A.K. Singh)	Free Play

Evening Assembly

	4:00 pm to 4:45 pm	4:45 pm to 5:30 pm	5:30 pm to 6:15 pm	6:15 pm to 6:30 pm
Monday	Assembly and Warming Up (Dr. A.K.Singh)	Teaching Lesson(Class Room) (Dr.Abhay N. Buchha)	Teaching Lesson(Games) (Dr. Arun Atkare)	Free Play
Tuesday	Assembly and Warming Up (Dr. Abhay Buchha sir)	Teaching Lesson(Class Room)	Teaching Lesson(Games) (Dr. D.K.Dinkar)	Free Play
Wednesday	Assembly and Warming Up (Dr. Abhay Buchha sir)	Teaching Lesson(Class Room) (Dr. D.K.Dinkar)	Teaching Lesson(Games)	Free Play
Thursday	Assembly and Warming Up (Dr. D.K.Dinkar)	Teaching Lesson(Class Room) (Dr.Abhay N. Buchha)	Teaching Lesson(Games) (Dr. Arun Atkare)	Free Play
Friday	Assembly and Warming Up (Dr. Abhay Buchha sir)	Teaching Lesson(Class Room) (Dr.A.K.Singh)	Teaching Lesson(Games) (Dr. Arun Atkare)	Free Play
Saturday	Assembly and Warming Up (Dr. Arun Atkare)	Practice Game	Practice Game	Free Play


 Principal
 Shrikrishna Sharirik Shiksha
 Mahavidyaya, New Mhasale
 WARDHA.