

**INFORMATION BROCHURE
FOR ADMISSIONS TO
VARIOUS ACADEMIC PROGRAMMES 2016-17**



**Hemvati Nandan Bahuguna Garhwal University
(A Central University)
Srinagar, Garhwal-246174, Uttarakhand**

Website: www.entrance.hnbquedrp.in

The Hemvati Nandan Bahuguna Garhwal University is today among the 10 largest Universities of the country with 3 campuses and more than 180 affiliated colleges/institutes and examining approximately 1.9 lakhs students annually. This was established under the U.P. State Universities Act 1973, in December 1973 by the name of Garhwal University and renamed Hemvati Nandan Bahuguna Garhwal University in the memory of Late Shri Hemvati Nandan Bahuguna, a distinguished National Leader, in 1989. As a mark of recognition of its importance and academic achievements, it has been upgraded as a Central University in January 2009, under the Central Universities Act-2009.

The H.N.B. Garhwal University has its Headquarters at Srinagar - Garhwal, 105 Km. from Rishikesh on the NH-58 in the wide valley of Alaknanda River, one of the Parent Rivers of the National River Ganga. It provides a conducive environment for academic pursuit. The University offers a vast variety of Academic programmes through its 14 Schools. The overall objective of the University is to provide high quality education with overall intellectual, academic and cultural development of the students. The University has set for itself high standard of scholarship. The H.N.B. Garhwal University strives to stand for high quality teaching, outstanding infrastructure and research support and excellent personal and professional development. The students who have quest for knowledge, innovative learning and excellence are welcome to join this University.

**INFORMATION REGARDING ADMISSION TO VARIOUS ACADEMIC PROGRAMMES
FOR THE SESSION 2016-17**

1. ONLINE APPLICATIONS

Admission to various programs of study for the academic year 2016-17 will be processed under two categories (Entrance and Counseling).

Category E: Admission through Entrance Test for M.A./M.Sc./M.Com./MCA/ M.Pharm./ MSW/LLM/ LLB/ B.Pharm./B.P.Ed/M.P.Ed./BHM/B.Lib./B.Tech.(Lateral Entry)/P.G Diploma courses.

Category C: Admission through counseling based on merit of All India Tests (CAT/MAT/CMAT/JEE (Main) 2016 Scores) for MBA/MBA (Tourism and Travel Management)/B.Tech.(1st Sem.)

Category E: ADMISSION THROUGH ENTRANCE TEST

<p>School of Agriculture and Allied Sciences M.Sc. (4 Semesters): Forestry, Horticulture, Seed Science & Technology, Rural Technology, Medicinal and Aromatic Plants</p>
<p>School of Sciences M.Sc./M.A. (4 Semesters): Physics, Chemistry, Mathematics, Statistics, Pharmaceutical Chemistry, Home Science, M. Pharma. (Pharmaceutics) B.Pharma (4 years): B. Pharma. (1st Year, Direct) and (2nd Year, Lateral Entry).</p>
<p>School of Commerce M.Com. (4 Semesters): Commerce PG Diploma Courses: Company Administration, Business Administration</p>
<p>School of Earth Sciences M.Sc./M.A. (4 Semesters): Defense and Strategic Studies, Geology, Geography, Remote Sensing and GIS Applications</p>
<p>School of Education MA (4 Semesters): Extension Education, Education , Yoga and Alternative Therapies M.P.Ed. (2 years) B.P.Ed (2 years) P.G. Diploma (2 Semesters): Yogic Science ,</p>
<p>School of Engineering and Technology M.C.A. (6 Semesters): Computer Applications B.Tech.: Lateral Entry into Second Year: Computer Science and Engineering, Electronics and Communication Engineering, Instrumentation Engineering, Mechanical Engineering, Information Technology</p>
<p>School of Arts, Communication and Languages M.A. (4 Semesters): Drawing and Painting, Journalism and Mass Communication, English, Hindi, Music (Vocal and Tabla), Sanskrit, Theatre. B.Lib. & Inf. Sc. (1 year): Bachelor of Library and Information Sciences</p>
<p>School of Humanities and Social Sciences M.A. (4 Semesters): Anthropology, Economics, History, Archaeology, Philosophy, Political Science, Psychology, Sociology, Master in Social Work (M.S.W.) P.G. Diploma Courses: (2 Semesters): Human Rights and Value Education, Women studies.</p>
<p>School of Law LLB (6 Semesters): Bachelor of Law LLM (4 Semesters): Master of Law</p>
<p>School of Life Sciences M.Sc. (4 Semesters): Botany, Environmental Sciences, Himalayan Aquatic Biodiversity, Integrated 5 year Biotechnology, Microbiology, Zoology PG Diploma Courses (2 Semesters): Advanced P.G. Diploma in Environmental Economics, P.G. Diploma in Environmental Management.</p>
<p>School of Management BHM (4 years /8 Semesters): Bachelor of Hotel Management PG Diploma (2 Semesters): P.G. Diploma in Tourism and Hoteliering</p>

For eligibility, duration and course code, please see Table No.-II

2. PATTERN OF ENTRANCE TEST FOR CATEGORY E:

- Students shall have to take a written examination of 100 multiple choice question (MCQs) based on undergraduate syllabus of the concerned subject of this University for post graduate programs. A candidate can appear in Entrance Test for P.G. program maximum in three subjects. Candidates applying for more than one PG programs need to apply separately in application form along with the prescribed fee. For details please visit the University website www.entrance.hnbguedrp.in
- Each question shall be of 01 mark and there shall be no negative marking.
- The students shall be allowed a maximum of two hours time to complete the test

- In case of diploma programs, MCQ question paper shall be based on general knowledge, current affairs, aptitude and elementary knowledge about the subject. However, for Advance Diploma in Environmental Economics, please see the syllabus of M.Sc. Environmental Sciences of H.N.B. Garhwal University on the University website.
- For B.P.Ed./M.P.Ed. degree programmes, beside the entrance test, the candidate will also have to take physical efficiency/sports proficiency test at Srinagar (Garhwal).

Category C: ADMISSION THROUGH COUNSELING BASED ON MERIT OF ALL INDIA TEST(s):

School of Management: MBA (Business Management) and MBA (Tourism and Travel Management)
School of Engineering and Technology: B.Tech. First year (Instrumentation, Electronic and Communication, Computer Science, Mechanical, Information Technology)

For Eligibility Please See Table No. III(A)

Admission to MBA (Business Management) and MBA (Tourism and Travel Management) shall be based on valid CAT/MAT/MAT Score-2016.

However, admission to B.Tech. (Instrumentation, Electronic and Communication, Computer Science, Mechanical, Information Technology) shall be based on JEE (Main) score- 2016.

- 3. APPLICATION FEE:** For PG, PG Diploma and Professional Courses the fee will be **Rs 250/- (Rs 125/- for SC/ST/PH)** while **Rs. 300/- (Rs 150/- for SC/ST/PH)** for MBA/MBA (Tourism and Travel Management) and B.Tech 1st Year.
- 4. HOW TO APPLY:**
Candidates can apply online by visiting University website www.entrance.hnbquedrp.in by paying prescribed fee through bank chalan. Detailed instructions to fill the application are also available on same website.

(I) IMPORTANT DATES:

- Application forms will be available at web site www.entrance.hnbquedrp.in from onwards **15/04/2016**
- Last date for closing on-line submission of applications for category **E :10/05/2016**
- Last date for on-line submission of applications for category **C:** Two days before counseling date to be announced by the respective department.
- Date of Entrance Tests: **1st, 2nd 3rd and 4th June, 2016. (Detailed Schedule is given in Table**

(II) CENTRES FOR THE ENTRANCE TEST AND CENTRE CODE

Sl.No.	Place	Centre Code
1.	Srinagar (Garhwal)	01
2.	Pauri	02
3.	Tehri	03
4.	Dehradun	04

(III) GENERAL INSTRUCTIONS FOR APPLICANTS:

- A student can appear in entrance test for P.G. courses in a maximum number of three subjects. For admission in practical subjects candidate should have studied the subject in graduation level.
- Candidates appearing in more than one subject for P.G. entrance test have to submit separate application form along with the prescribed fee.
- Those appearing in the final year examinations can also apply subject to the condition that they will have to produce their final year result on or before the last date of admission.
- Merely qualifying in entrance test does not guarantee admission in any programme, as admission to particular program is subject to the availability of seats in that programs and fulfilling other conditions.
- The result of entrance test shall be valid for admission for the current academic session only.
- Allotment of seats for admission at different campuses of the University shall be at the discretion of the University and further, the programs to run at these campuses are subject to sufficient candidates available for admission.
- **The medium for written test will be English for subjects under Schools of Sciences, Life Sciences, Agriculture and Allied Sciences, School of Management, School of Engineering and Technology, School of Earth Sciences (Excluding Geography, Defense and Strategic Studies) and medium for rest of the subjects in other schools will be bilingual (Hindi and English) (Excluding languages)**
- **Reservation and Relaxation: As per the Government of India/University rules.**

(IV) ELIGIBILITY FOR WEIGHTAGE FOR ADMISSION TO ALL PROGRAMMES

Weightage for participation in co-curricular activities will be given to the eligible students. The **maximum weightage permissible is 5% only.**

- NSS B- Certificate or 240 hours + two special camps -1%; Participation in National Integration Camp/ Republic Day Parade- 2%, NSS C-Certificate -2% (maximum 3% in all);
- NCC B- Certificate- 1%; NCC C- Certificate- 2%; Participation in Republic Day Parade (National)- 3%; NCC Cadet of the state/National Awardee-3% (maximum 3% in all);
- Student selected under Youth Festival organized by AIU-Zonal-2%, National 3% (maximum 3% in all);
- Participation in sports events organized by AIU-Zonal 3%, National 5% (maximum 5% in all);
- Position secured in National competitions organized by AIU or the Ministry of Parliamentary Affairs-Individual= First-4% second-3% and third-2% and , team= First-3%, second-2% and third-1% (maximum 4% in all);
- Participation in National level literacy/culture/ quiz competition-individual= First-4% second-3% and third-2% and , team= First-3%, second-2% and third-1% (maximum 4% in all).

TABLE-I
Schedule for Entrance Tests/Counseling/ Interview for various programmes of study

SUBJECTS	DATE	TIME
Counseling		
MBA, MBA Tourism and Travel Management (to be conducted by concerned school) at Srinagar/ Chauras campus (3 Km from Srinagar-Garhwal)	To be announced by the Concerning Department	
B.Tech. (All branches) to be conducted by concerned school at Srinagar/Chauras Campus (3 Km away from Srinagar campus)	To be announced by the Concerning Department	
Entrance Test		
P.G. Diploma: Human Rights & Value Education, Advanced Environmental Economics , Environmental Management, Company administration, Yogic Science, Tourism & Hoteliering, Business Administration. Women Studies Bachelor Degree : BHM	June 01, 2016	8 AM to 10 AM
MCA, LLM, LLB	June 01, 2016	11AM to 1 PM
M.A./M.Sc.: Political Science, Defense & Strategic Studies, Drawing and Painting, Botany, Mathematics	June 01, 2016	3PM to 5PM
M.A./M.Sc.: History, Statistics, Geography, Environmental Science	June 02, 2016	8 AM to 10AM
M.A./M.Sc. : Archaeology, Journalism & Mass Communication, Physics, Zoology	June 02, 2016	11AM to 1 PM
M.A./M.Sc. : Sociology, Theater, Microbiology, Pharmaceutical Chemistry, Remote Sensing and GIS B.Pharm (I year)	June 02, 2016	3PM to 5PM
M.A./M.Sc. : Anthropology, Chemistry, Medicinal & Aromatic Plants B.Lib. & Info. Sci.	June 03, 2016	8 AM to 10AM
M.A./M.Sc.: Hindi, Rural Technology, Integrated Biotechnology M.Pharm MSW : Social Work (MSW)	June 03, 2016	11AM to 1 PM
M.A./M.Sc. : Economics, Commerce, Yoga & Alternative Therapy, Forestry M.Com.	June 03, 2016	3PM to 5PM
M.A./M.Sc. : Psychology, Horticulture, Extension Education, Sanskrit, English B.P.Ed. , M.P.Ed.	June 04, 2016	8 AM to 10 AM
M.A./M.Sc.: Philosophy, Education, Music (Tabla), Music (Vocal), Seed Science and Technology, M.Sc. Himalayan Aquatic Biodiversity	June 04, 2016	11 AM to 1 PM
M.A.: Home Science, M. Sc. Geology, B.Tech (Lateral Entry) B.Pharm (Lateral Entry)	June 04, 2016	3 PM to 5 PM

N.B: 1. The programme for which entrance test shall be conducted from June 01 to June 04, 2016, the date of interview/ counseling shall also be notified in the University website.

2. This is a tentative schedule. The final dates and timings of various entrance tests/counseling shall be updated on the website of the University www.entrance.hnbquedrp.in.

Table-II
Programmes, Duration and Eligibility for Entrance Test for Admission
Academic Session 2016-17

A. SCHOOL OF AGRICULTURE AND ALLIED SCIENCES

Sl. No.	Department	Name of Course	Duration	Essential Qualification for Entrance Test
1	Forestry	M.Sc.	4 Semesters	4 years graduation degree in Forestry or Three years graduation degree with Forestry as one of the subjects with 45% marks for general category and for SC/ST as per University rules
2	Horticulture	M.Sc.	4 Semesters	4 years graduation degree in Horticulture/Agriculture with 45% marks for general category and for SC/ST as per University rules
3	Seed Science & Technology	M. Sc (Ag).	4 Semesters	B.Sc. (Ag.), B.Sc. in Horticulture, B.Sc. in Forestry, B.Sc. in Seed Technology or B.Sc. degree with Botany as one of the subjects with 45% marks for general category and for SC/ST as per University rules
4	Rural Technology	M.Sc.	4 Semesters	B.Sc. with Botany/Zoology/Geology/Rural Technology/Agriculture/ 4 Year B.Sc. Forestry/Horticulture with 45% marks for general category and for SC/ST as per University rules
5	High Altitude Plant Physiology & Research Centre	M.Sc. in Medicinal and Aromatic Plants	4 Semesters	B. Sc with Plant Sciences with 45% marks for general category and for SC/ST as per University rules

B. SCHOOL OF SCIENCES

Sl. No.	Department	Name of Program	Duration	Essential Qualifications for Entrance Test
1	Physics	M. Sc.	4 Semesters	B. Sc. (Physics) with 45% marks for general candidates and for SC/ST as per University rules.
2	Chemistry	M. Sc.	4 Semesters	B. Sc. (Chemistry) with 45% marks for general and for SC/ST as per University rules.
3	Mathematics	M.A./M. Sc.	4 Semesters	For M.Sc: B. Sc. (Mathematics) with 45% marks for general and for SC/ST as per University rules. MA: Graduation in any discipline with 40% for general and for SC/ST as per University rules and Mathematics as one of the subject in graduation level.
4	Statistics	M.A./M. Sc.	4 Semesters	For M.Sc , B. Sc. (Statistics) with 45% marks for general and for SC/ST as per University rules. MA: Graduation in any discipline with 40% for general and for SC/ST as per University rules and Statistics as one of the subject in graduation level.
5	Pharmaceutical Sciences	M.Pharm (Pharmaceutics)	4 Semesters	B. Pharm. with 50% marks for General Category and 45% for SC/ST candidates.
		M. Sc. (Pharmaceutical Chemistry)	4 Semesters	B.Pharm./B.Sc. 45% and 40% in case of SC/ST categories, with Chemistry as one of the subjects.
		B. Pharm	4 Years	10+2 examination or equivalent with Physics, Chemistry, Biology or Mathematics and English as subjects of study with at least 45% marks for General and OBC Category and 40% marks for SC/ST candidates. Those appearing in 10+2 or equivalent examination may also appear in entrance test. However candidate appearing in the entrance test for B. Pharm. 1st year course shall complete the age of 17 years on or before 31 st December, 2016.
		B.Pharm. Second year (Lateral Entry)	3 Years	D. Pharm with 45% marks and 10+2 with Physics, Chemistry, Biology/ Mathematics with minimum 45% marks for General Category and 40% marks for SC/ST candidates.
6	Home Science	M.A.	4 Semesters	Graduation and Home science as a subject in

				Graduation with 40% marks and for SC/ST as per University rules.
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C. SCHOOL OF COMMERCE

Sl. No.	Department	Name of Course	Duration	Essential Qualification
1	Commerce	M.Com	4 Semesters	B. Com 40%, B.A/B.Sc with Maths/Economics 50% marks
		PG. Diploma in Business Administration	2 Semesters	Graduate in any discipline with 40% marks
2	Secretarial Practice	PG. Diploma in Company Administration	2 Semesters	Graduate in any discipline with 40% marks

D. SCHOOL OF EARTH SCIENCES

Sl. No.	Department	Name of Programme	Duration	Essential Qualification for Entrance Test
1	Defense & Strategic Studies	M. Sc./MA	4 Semesters	B.Sc./BA (Defense & Strategic Studies) with 45% marks for general and for SC/ST as per University rules
2	Geology	M. Sc.	4 Semesters	B. Sc.(Geology) with 45% marks for general and for SC/ST as per University rules
3	Geography	M. Sc./MA	4 Semesters	Graduation in any discipline with 40% marks for General and with Geography as a Subject with 50% marks at U.G. level for SC/ST as per University rules.
4	Remote Sensing & GIS Application	M. Sc.	4 Semesters	B.Sc. with Botany, Zoology, Forestry, Agriculture, Physics, Geology, or Geography with Min. 55% marks for General and 50% for SC/ST Candidates or B. Tech. in the relevant discipline with at least 50% marks or equivalent score. Knowledge of computers is a must.

E. SCHOOL OF EDUCATION

Sl. No.	Department	Name of Course	Duration	Essential Qualification
1	Adult Continuing Education and Extension	Master in Extension Education	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules
2	Education	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
3	Physical Education	B.P.Ed	2 years	Bachelor's Degree with Physical Education as an elective subject with 50% marks OR Bachelor's Degree with Physical Education as an elective subject with 45% marks and participation in National/ State/Inter-University competitions Sports/Games/Athletics recognized by A.I.U or Indian Olympic Association OR Bachelor's Degree with 45% marks and having participated in National/ state/ Inter-University Sport/Games/Athletics OR For Deputed/In service candidates (trained Physical Education Teachers/Coaches) Graduate with 45% marks and at least three years of teaching experience
		M.P.Ed.	2 Years	Bachelor of physical education (B.P.Ed.) or equivalent with at least 50% marks. Or Bachelor of Science (B.Sc.) in Health and physical education with at least 50% marks. The reservation in seats and relaxation in the qualifying marks for SC/ST/OBC and other categories shall be as per the rules of the Central Government.

				Age: For General category candidates the upper age limit is 35 years as on 1 st July of the academic year. Age relaxation for SC, ST and OBC candidate will be given according to the rules and regulation of GOI. (For other details please refer to Annexure 1)
4	Naturopathy & Yoga	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
		P.G. Diploma in Yogic Science	2 Semesters	Graduation in any discipline with 40% marks and SC/ST as per University rules

F. SCHOOL OF ENGINEERING AND TECHNOLOGY

Sl. No.	Department	Name of Course	Duration	Essential Qualification
1	Computer Science and Engineering	MCA	6 Semesters	Bachelor's degree in any discipline from recognized University with Mathematics as compulsory subject at 10+2 level. Obtained at least 50% (45% in case of candidates belonging to reserve category i.e. SC/ST) at the qualifying examination
		B.Tech Computer Science and Engineering	Third Semester (Lateral Entry)	Three years Engineering Diploma holders from recognized Board/ University with minimum 45% marks (40% in case of SC/ST categories) OR B.Sc. with Mathematics as one of the subjects from recognized University with minimum 45% marks (40% in case of SC/ST categories)
2	Electronics & Communication Engineering	B.Tech. (Electronics & Communication Engineering)	Third Semester (Lateral Entry)	--do--
3	Instrumentation Engineering	B.Tech. (Instrumentation Engineering)	Third Semester (Lateral Entry)	--do--
4	Mechanical Engineering	B. Tech. (Mechanical Engineering)	Third Semester (Lateral Entry)	--do--
5	Information Technology	B. Tech. (Information Technology)	Third Semester (Lateral Entry)	--do--

G. SCHOOL OF ARTS, COMMUNICATION AND LANGUAGES

Sl. No.	Department	Name of Course	Duration	Essential Qualification for Entrance Test
1	Drawing & Painting	M.A.	4 Semesters	Graduation with Drawing & Painting as one subject and 40% marks for General and for SC/ST as per University rules.
2	Centre for Journalism & Mass communication	M.A. in Journalism and Mass Communication	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
3	English	M.A.	4 Semesters	Graduation with 40% marks and English as a subject and 35% marks for SC/ST.
4	Hindi	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
5	Library & Information Science	B.Lib. & Info. Science	1 Year	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.

6	Music	M.A. Music (Vocal)	4 Semesters	B.A. with Music/Sangeet Prabhakar or Visharad with 55% Marks in Practical 45% Marks in B.A. for General and for SC/ST as per University rules.
		M.A. Music (Tabla)	4 Semesters	B.A. with Music/Sangeet Prabhakar or Visharad with 55% Marks in Practical 45% Marks in B.A. for General and for SC/ST as per University rules.
7	Sanskrit	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
8	Folk and Performing Arts	M.A. Theatre	4 Semesters	Graduation in any discipline with 40% marks for General candidates and for SC/ST as per University rules

H. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Sl. No.	Department	Name of Course	Duration	Essential Qualification for Entrance Test
1	Anthropology	M.A./M. Sc.	4 Semesters	B.A. with 40% marks for general candidates and SC/ST as per University rules or B. Sc. (Bio group) with 45% marks for general and for SC/ST as per University rules
2	Economics	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
3	History	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
	Archaeology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
4	Philosophy	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
5	Political Science	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
		P.G. Dip. in Human Rights & Value Education	2 Semester	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
		PG Diploma in Women Studies	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
6	Psychology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
7	Sociology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General and for SC/ST as per University rules.
		Master in Social work (M.S.W.)		Graduation in any discipline with 45% marks for General and for SC/ST as per University rules.

I. SCHOOL OF LAW

Sl. No.	Department	Name of Course	Duration	Essential Qualification
1	Law	LL.B.	6 Semesters	Graduation and Post Graduation of a recognized University with not less than 45 % marks in case of General and 40% marks in case of SC/ST candidates. The candidate seeking admission should be less than 30 years of age if from general category and less than 35 years if from SC/ST category at the time of admission.
		LL.M.	4 semesters	Three years or Five years LL.B Degree holders with minimum 50% marks

J. SCHOOL OF LIFE SCIENCES

Sl. No.	Department	Name of Programme	Duration	Essential Qualification for Entrance Test
1	Zoology and Biotechnology	M.Sc. Zoology	4 Semesters	B. Sc. (Zoology) with 45% marks for general and for SC/ST as per University rules
		5- year Integrated M.Sc. Biotechnology	10 Semester	10+2 Science (CBSE, ICSE or any equivalent board) with 60% marks for general and 55% for SC/ST category
		M. Sc. Himalayan Aquatic Biodiversity	4 Semesters	B. Sc. (Life Sciences) with 45% marks for general and for SC/ST as per University rules
2	Botany and Microbiology	M. Sc. Botany	4 Semesters	B. Sc. (Botany) with 45% marks for general and for SC/ST as per University rules
		M. Sc. Microbiology	4 Semesters	B. Sc. (any stream of life sciences) with 45% marks for general and for SC/ST as per University rules
3	Environmental Science	M. Sc. Environmental Science	4 Semesters	B. Sc. (any stream of Science) with 45% marks for general and for SC/ST as per University rules
		Advanced PG Diploma in Environmental Economics	2 Semesters	M. Sc. (any stream of Science)/M.Tech /M. Sc. Ag. with 55% marks for general and for SC/ST as per University rules
		P.G. Diploma in Environmental Management.	2 Semesters	M. Sc. (any stream of Science)/M.Tech /M. Sc. Ag. with 55% marks for general and for SC/ST as per University rules

K. SCHOOL OF MANAGEMENT

Sl. No.	Department	Name of Course	Duration	Essential Qualification
1	Centre for Mountain Tourism and Hospitality Studies	Bachelor of Hotel Management (BHM)	4 years /8 Semesters	10+2 in any discipline from recognized Board
		PG Diploma in Tourism and Hoteliering	2 Semesters	Graduation in any discipline.

TABLE -III
Eligibility and other Conditions for
Admission through counseling based on All India Test Scores
(MAT/ CMAT/JEE (MAIN) 2016 Examination Score)

A. SCHOOL OF MANAGEMENT

Sl. No.	Department	Name of Programme	Duration	Eligibility Criteria and Educational Qualification
1	Business Management	M.B.A.	4 Semesters	Graduation in any Discipline and valid CAT/MAT/CMAT Score 2016
2	Centre for Mountain Tourism and Hospitality Studies	M.B.A. (Tourism and Travel Management)	4 Semesters	Graduation in any Discipline and valid CAT/MAT/CMAT Score 2016

B. SCHOOL OF ENGINEERING AND TECHNOLOGY

Sl. No.	Department	Name of Programme	Duration	Eligibility Criteria and Educational Qualification	Mode of the Course
1	Computer Science & Engineering	B.Tech. (Computer Science & Engineering)	8 Semesters	Passed 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the subjects -Chemistry / Biotechnology / Biology Obtained at least 45% marks (40% in case of candidate belonging to reserved category) in the above subjects taken together with valid JEE (Main) 2016.	Counseling based on JEE (Main) 2016
2	Electronics & Communication Engineering	B.Tech. (Electronics & Communication Engineering)	8 Semesters	--do--	--do--
3	Instrumentation Engineering	B.Tech. (Instrumentation Engineering)	8 Semesters	--do--	--do--
4	Mechanical Engineering	B. Tech. (Mechanical Engineering)	8 Semesters	--do--	--do--
5	Information Technology	B. Tech. (Information Technology)	8 Semesters	--do--	--do--

(V) SYLLABUS FOR ENTRANCE TEST FOR VARIOUS PROGRAMS

- **B.H.M., M.A. in Mass Communication, M.S.W., B.Lib., Advanced PG Diploma in Environmental Economics, PG Diploma in Business Administration, PG Diploma in Company Administration, PG Diploma in Human Rights & Value Education:**

These courses where the essential qualification is 10+2 or graduation in any discipline, the Entrance test shall consist of the multiple choice questions pertaining to general awareness, general knowledge, and current affairs and elementary knowledge of the subject.

- **M.A. in Yoga & Alternative Therapies and PG Diploma in Yogic Sciences:** The entrance test shall contain 20 questions related to General Knowledge, 20 questions related to current affairs, 20 questions related to verbal and non verbal Reasoning and 40 questions related to applied Yoga and Yoga Philosophy (Multiple choice questions).
- **M.A. in Theatre:** Multiple choice questions pertaining to general awareness about cultural and social issues, general knowledge, current affairs and elementary knowledge of literature and folklore of the region the candidate belongs.
- **PG Diploma in Women Studies:** Concept and need of Women studies, Women's movement, Women commission in India, Liberal feminism, Marxist feminism, Radical feminism, Socialist feminism, Women's issues-Education, Health, Work, rights, violence, Indian constitution, policies, laws, gender equality and environment.
- **M.Sc. Microbiology:** Multiple choice questions related to general phenomena of Science, instruments used in biological sciences, Bachelor's level biology (taxonomy of plant kingdom, physiology, anatomy, embryology, plant breeding, evolution, ecology, plant pathology. Chordates and non chordate, human physiology, embryology, evolution, cytology, animal behaviour, endocrinology, genetics. Molecular biology and gene cloning, biochemistry, biotechnology of plant and animal, microbiology, bioinformatics, nanotechnology, pathology and immunology) and Chemistry course.

M.Sc (Ag) Seed Science and Technology:

Cytogenetics, Molecular biology and Biotechnology Structure and function of nucleus; Cell division; Chromosome organization; Extra nuclear genome; Genetic inheritance; Interaction of genes Sex linked

inheritance; Genetic variation; DNA, The genetic material; RNA structure and type; Gene concept; Protein structure, genetic code and protein synthesis; Genetic engineering; Biotechnology : Basic concept of tissue culture, cryopreservation, haploid production, Protoplast fusion, Gene bank, Transgenic plants.

Plant Physiology and Biochemistry

Cell physiology; Types of soil water, water holding capacity, water requirement; Active and passive absorption; Elementary knowledge of macro and micronutrients; Symptoms of mineral deficiency, techniques of water and sand culture; Nitrogen cycle and nitrogen fixation; Photosynthesis, Photophosphorylation; Respiration, Krebs's cycle, Electron transport, ATP- the biological energy currency; Types and strength of solutions, acid base and salts, pH and buffer solution; Enzyme action; Seed viability and longevity; Seed vigour and its concept; Dormancy and Methods of breaking and inducing dormancy; Biological significance of dormancy; Seed germination and Involvement of hormones and growth regulators; Effect of age, size and position of seed on germination; Environmental stresses controlling seed germination- secondary dormancy, factors influencing seed germinability.

Economic Botany and Plant Breeding

Importance of plants to mankind; Origin of cultivated plants, Centers of origin; Cultivation of Wheat, paddy and maize; General account of fruit, vegetable and medicinal plants; Plant breeding Aims and objectives, basic technique of plant breeding; Mechanisms of pollination control in crop plants. Self incompatibility, male sterility, GMS, CMS, CGMS, and chemically induced male sterility. Techniques and consequences of hybridization. Heterosis and inbreeding depression in cross pollinated crop; Breeding methods for self –pollinated crops; Breeding methods of cross pollinated crops; Breeding methods for vegetative propagated crops; clone, Clonal selection, hybridization and achievements; Release of new varieties; evaluation, trials and tests, release of new variety by central and state committees; Crop improvement method; Heterosis and inbreeding depression; Mutational breeding; Improved seeds Maintenance and seed testing; NSC and Seed Testing Laboratories; Some important varieties of rice and wheat; Agriculture universities in India.

Plant Embryology

Basic vegetative phase, onset of reproductive phase (Anthesis);Introduction of flower types and floral structure in relation to seed development; Development of flower: structure and development of microsporophyll and microsporangium, microsporogenesis, Male gametophyte; structure of microspore and formation of gametes, the abnormal feature of pollen grains; Megasporangium; Different kinds of ovules; Pollination and the process of fertilization, Endosperm; Embryo; Polyembryony; Apomixis: Indian contribution to the plant embryology.

Plant Pathology

General symptoms of plant disease; Wart disease of potato; White Rust of Crucifers; Late blight of potato; Loose smut of wheat; Black rust of wheat and Red Rot of Sugarcane; Bacterial and Viral disease of plants; Quarantine for seed(Principle and procedure).

Seed processing/storage /seed testing/farm management and marketing

Seed; role of high quality seeds in increasing crop production, seed quality concept and control. Classification of crop plants in relation to mode of reproduction and choice of method for seed production. Genetic purity of varieties; concept, factors responsible for their deterioration, methods of maintenance of genetic purity. System and methods of production of nucleus, breeder, foundation and certified seed. Seed production procedure of following crops with special reference to requirement of isolation, agronomic management, rouging, harvesting and threshing:- Sunflower, Groundnut, Soybean, Mung, Wheat, Sorghum, Rice, and Maize. National and International Seed Organizations, (NSC, CSCB Central Seed Committee, Central Seed Testing Laboratory, ISTA, SCST, AOSA, SAAC). Seed drying; importance and advantages of seed drying, moisture content, Orthodox / recalcitrant seeds, methods of seed moisture measurements, Theory of Seed Drying (wet dry seeds), advantages of mechanical drying equipments, dehumidification and drying of heat sensitive seeds. Relative humidity and equilibrium moisture content of seeds. Seed processing machines; Basic concept in Seed farm management, budgeting and Seed marketing, Farm business analysis, farm size, factors affecting profit and economic size of farm. Seed market surveys, seed industry in relation to global market, concept of WTO, GATT, IPR, UPON, PBR.

- **M.Sc. Remote Sensing and GIS application: Section A:** Multiple choice questions related with a) Mathematical Ability & General Awareness; (b) Logical Reasoning; (c) English Language and Comprehension.
- **Section B:** Geographic distribution of crop plants, origin and types of soils. Land degradation, erosion, land reclamation. The Earth and the Solar System, Greenhouse gases and global warming, general weather systems of India. Basic computer awareness and uses. Natural disasters and man made disasters. Man and Environment. Forest Classification, Forest management. Ecosystem, conservation biology. Age of the Earth, Basic principles of stratigraphy. Theories about the origin of life. Renewable and non-renewable resources. Resource Conservation - resource monitoring and management,

Sustainable development of natural resources. Methods of estimating population density of animals and plants. Water requirement of crops, Methods of irrigation and drainage, watershed management.

- **M.Sc. Environmental Sciences:** Multiple choice questions on the concept, definition and scope of environmental sciences, general awareness on environment (important events, dates, organizations, movements, persons related with the environmental issues), Natural resources (forest, water, energy, land, wildlife), Ecosystem: concept, structure and function. Biodiversity: definition, level, values, depletion and its conservation. Environmental pollution: (water, air, marine, noise). Environmental problems (global warming, climate change, ozone layer depletion, acid rain, deforestation, disposal of solid waste.) Social Issues and Environment: (population explosion, ecosystem politics and conflicts, rehabilitation.) Environmental problems in the Himalayas. Role of citizens in environmental protection.
- **LLB:** Multiple choice 100 questions from the areas of General Knowledge, Current Affairs, and also based on socio legal and constitution of India.
- **LLM:** Multiple choice 100 questions from the areas of Jurisprudence, Constitutional Law, Human Rights, Law of contract and Company Law.
- **Education:** Multiple choice 100 questions from the areas of General Knowledge, Current Affairs, Reasoning and subject related
- **M.C.A.: The Written Test of 2 hours duration shall comprise one paper of 100 marks containing 100 MCQs carrying one mark each.**

Modern Algebra: Idempotent law, identities, complementary laws, Demorgan's theorem, mapping inverse relation, equivalence relation, Pano's Axiom, definition of rational numbers and integers through equivalence relation.

Algebra: Surds, solution of simultaneous and quadratic equations, arithmetic, geometric and harmonic progression, Binomial theorem for any index, logarithms, exponential and logarithmic series, determinants.

Probability: Definition, dependent and independent events, numerical problems on addition and multiplication of probability, Theorems of probability.

Trigonometry: Simple identities, trigonometric equations, properties of triangles, use of mathematical tables, solution of triangles, height and distance, inverse functions, DeMoiver's theorem.

Co-Ordinate Geometry: Co-Ordinate geometry of the straight lines, pair of straight lines, circle, parabola, ellipse and hyperbola and their properties.

Calculus: Differentiation of function of functions, tangents and normal, simple example of maxima of minima, limits of functions, integration of function (by parts, by substitution and by partial fraction), definite integral (application to volumes and surfaces of frustums of sphere, cone and cylinder).

Vectors: Position vector, addition and subtraction of vectors, scalar and vector products and their applications.

Dynamics: Velocity, composition of velocity, relative velocity, acceleration, composition of acceleration, motion under gravity, projectiles, laws of motions, principles of conservation of momentum and energy, direct impact of smooth bodies, pulleys.

Statics : Composition of co-planar, concurrent and parallel forces, moments and couples, resultant of set of coplanar forces and conditions of equilibrium, determination of Centroides in simple case, problems involving friction.

Statistics: Theory of probability, Mean, Median, Mode, Dispersion and Standard Deviation.

Logical Ability: Questions to test analytical and reasoning capability of candidates.

- **B.Tech-Second year through Lateral Entry scheme**

The Written Test of 2 hours duration shall comprise one paper of 100 marks containing 100 MCQs carrying one mark each.

(a) Aptitude Test for Diploma Holders in Engineering

Engineering Mechanics, Engineering Graphics, Basic Electrical Engineering, Basic Electronics Engineering, Elements of Computer Science, Elementary Biology, Basic Workshop Practice and Physics/Chemistry/ Maths of Diploma standard.

OR

(b) Aptitude Test for B.Sc. Graduate in Engineering

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigen values and eigen vectors.

Calculus: Mean values theorems, Theorems of integral calculus, Evaluation of definite and improper integrals, Partial Derivations, Maxima and minima, multiple integrals, Fourier series, Vector identities, Directional derivatives, Line, Surface and Volume integrals, Stokes, Gauss and Green's theorems.

Differential equations : First order equation (linear and nonlinear), Higher order linear differential equations with constant coefficients, Method of variation of parameters, Cauchy's and Euler's equations, Initial and boundary value problems, Linear partial differential equations with constant coefficients of 2nd order and their classifications and variable separable method.

Complex variables: Analytic functions, Cauchy's integral theorem and integral formula, Taylor's and Laurent's series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode and Standard deviation, Random variables. Discrete and continuous distributions, Poisson, Normal and Binomial distribution, Correlation and regression analysis.

Fourier Series : Periodic functions, Trigonometric series, Fourier series of period 2π , Euler's formulae, Functions having arbitrary period, Change of interval, Even and odd functions, Half range sine and cosine series.

Transform Theory: Laplace transform, Laplace transform of derivatives and integrals, Inverse Laplace transform, Laplace transform of periodic functions, convolution theorem, Application to solve simple linear and simultaneous differential equations.

Fourier integral, Fourier complex transform, Fourier sine and cosine transforms and applications to simple heat transfer equations. Z-transform and its application to solve differential equations.

• **Bachelor of Physical Education (B.P.Ed.) (1-Year Course)**

(a) Written test: The Written Test of 2 hours duration shall comprise one paper of **100** marks containing **100** Objective Type questions of multiple choice (having four responses A, B, C & D) carrying one mark each. Questions will be based on the following three areas of Physical Education and Sports: (a) Aptitude (b) General Knowledge (c) Reasoning Ability.

(b) Physical Efficiency Test: - The Physical efficiency test will carry **100** marks with five events of **20** marks each. For every event the marks shall be given on the basis of the norms prepared by Admission committee. The events for Physical Efficiency Test shall be as follows:

Male	Female
1. 50m.sprint	1.50m.sprint
2. 800 m. run	2. 800 m. run
3. Standing Broad Jump	3. Standing Broad Jump
4. Bent Knee Sit- ups (1 min)	4. Bent Knee Sit- ups (1 min)
5. Shot put	5. Shot put

Participation in the physical efficiency test is mandatory. Absence in the physical efficiency test will not be considered for admission at all.

(c) Sports Participation Weightage: B.P.Ed. Programme is a sports oriented course and will therefore carry weightage for candidates who have participated in Games/ Sports recognized by A.I.U at different level. The sports participation weightage of maximum **20** marks shall be given on the following criteria:

(d) Age Limit: Maximum age limit for general category candidate is 28 years on 01-07-2015. Age relaxation for SC/ST/OBC candidates will be permissible under the rules and regulation of Govt. of India.

Level of Participation	Marks
1. Zonal Inter University Championship/ Junior National Championship/S.G.F.I.	
a. Winner	15
b. Runner – up	10
c. Participation only	08
2. Senior State championship	
a. Winner	10
b. Runner –up	08
c. Participated only	05
3. Inter Zonal University Championship	
a. Winner	20
b. Runner –up	15
c. Participation only	10
4. Senior National championship	
a. Winner	20
b. Runner –up	15
c. Participation only	10
5. International Participation	20

Note: All the marks shall be given on producing valid certificate only. The highest possible weightage shall be given to the applicant in one category only, if he/she has participated in more than one category.

Merit List: All the seats shall be filled by preparing a merit list based on performance in entrance test consisting Written Test, Physical Efficiency Test and Sports Weightage according to the participation level. Top 50 candidates will be selected for admission. Reservation for all categories will be as per rule of Govt. of India.

• **B. Pharma. (1st year) :**

The syllabus for B.Pharm. Entrance Examination shall be based on the syllabus prescribed for 10+2/intermediate examination or equivalent with Physics, Chemistry, Biology or Mathematics & English as subjects of study.

• **B.Pharma. (Second Year, Lateral Entry) (Direct Admission to Second Year for D. Pharm. Candidates only)**

The question paper for the Entrance Examination shall be based on 1st and 2nd year syllabus of D. Pharm. **Education Regulation 1991.**

• **M.Pharm. :**

Syllabus for the Entrance Test as per the course curriculum of the B.Pharm. prescribed by AICTE/PCI.

(VI) SYALLBUS FOR OTHER PROGRAMMES

Please visit the University website for the Syllabus of Undergraduate programs of H.N.B. Garhwal University for admission to the other post graduate programs

SEAT AVAILABILITY IN VARIOUS UNIVERSITY COURSES THROUGH ENTRANCE TEST/COUNSELING (As per the University Prospectus 2015-16)

SCHOOL OF AGRICULTURE AND ALLIED SCIENCES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Forestry & Natural Resources	M.Sc. Forestry	4 Sem.	12	X	X
2. HAPPRC	M.Sc. Medicinal and aromatic Plants	4 Sem.	15	X	X
3. Horticulture	M.Sc. Horticulture	4 sem.	10	X	X
4. Rural technology	M.Sc. Rural Technology	4 Sem.	12	X	X
5. Seed Science & Technology	M.Sc. Seed Science & Technology	4 Sem.	15	X	X

SCHOOL OF SCIENCES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Chemistry	M.Sc. Chemistry	4 Sem.	40	20	20
2. Home Science	M.A. Home Science	4 Sem.	40	40	30
3. Mathematics	M.Sc. Mathematics	4 sem.	60	20	20
	M.A. Mathematics	4 Sem.	10	X	10
4. Physics	M.Sc. Physics	4 Sem.	35	25	25
5. Pharmaceutical Science	B. Pharma.@	4 Year	60	X	X
	M.Pharm. Pharmaceuticals@	4 Sem.	10	X	X
6. Pharmaceutical Chemistry	M.Sc. Pharmaceutical Chemistry@	4 Sem.	30	X	X
7. Statistics	M.Sc. Statistics	4 Sem.	25	20	X
	M.A. Statistics	4 Sem.	10	X	X

SCHOOL OF COMMERCE:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Commerce	M.Com.	4 Sem.	100	60	X
	PG Diploma Business Administration	1 Year	15	25	X
2. Secretarial Practices	PG Diploma Company Administration	1 Year.	15	25	X

SCHOOL OF EARTH SCIENCES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Defense & Strategic Studies	M.Sc. Defense & Strategic Studies	4 Sem.	15	X	X
	M.A. Defense & Strategic Studies	4 Sem.	15	30	X
2. Geography	M.A. Geography	4 Sem.	40	40	30
	M.Sc. Geography	4 Sem.	*	*	*
3. Geology	M.Sc. Geology	4 Sem.	25	20	X
4. Remote Sensing & GIS	M.Sc. Remote Sensing & GIS Applications@	4 Sem.	10	X	X

SCHOOL OF EDUCATION:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Adult Continuing Education & Extension	M.A. Extension Education	4 Sem.	15	X	X
2. Education	M.A. Education	4 Sem.	X	30	X
3. Horticulture	M.Sc. Horticulture	4 sem.	10	X	X
4. Naturopathy & Yoga	M.A. Yoga & Alt. Thrps.	4 Sem.	40	X	X
	PG Diploma Yogic Science	2 Sem.	40	50	50
5. Physical education	B.P.Ed.	2 Years	50	X	X
	M.P.Ed.	2 Years	As Approved by NCTE	X	X

SCHOOL OF ENGINEERING & TECHNOLOGY:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Computer Science and Engineering	M.C.A.	6 Sem.	38	X	X
	B.Tech. (CSE)\$	8 Sem.	38	X	X
2. Electronics and Communication Engineering	B.Tech. (ECE)\$	8 sem.	38	X	X
3. Instrumentation Engineering	B.Tech. Instrumentation Engineering\$	8 Sem.	31	X	X
4. Mechanical engineering	B. Tech. (Mechanical)\$	8 Sem.	20	X	X
5. Information Technology	B. Tech. (IT)\$	8 Sem.	30	X	X

SCHOOL OF ARTS, COMMUNICATION AND LANGAUGES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Drawing & Painting	M.A. D&P@	4 Sem.	40	X	X
2. Centre for Journalism & Mass Communication	M.A. Journalism and Mass Communication	4 Sem.	40	X	X
3. English, Modern European and other Foreign Languages	M.A. English	4 Sem.	70	50	30
4. Centre For Folk performing Arts and Culture	M.A. Theatre	4 sem.	20	X	X
5. Hindi and Modern Indian Languages	M.A. Hindi	4 sem.	60	30	30
6. Library & Information Science	B. Lib. & Info. Sci.@	1 Year	40	30	X
7. Music	M.A. Music Classical (Vocal)	4 sem.	20	X	X
	M.A. Music Instrumental (Tabla)	4 sem.	20	X	X
8. Sanskrit	M.A. Sanskrit	4 sem.	60	30	30

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Anthropology	M.Sc. Anthropology	4 Sem.	10	10	X
	M.A. Anthropology	4 Sem.	15	X	X
2. Economics	M.A. Economics	4 Sem.	60	30	30
3. History including Ancient Indian History culture & Archeology	M.A. History	4 sem.	60	30	30
	M.A. Archeology	4 sem.	40	X	X
4. Philosophy	M.A. Philosophy	4 sem.	40	X	X
5. Political Science	M.A. Political Science	4 sem.	60	30	30
	PG Diploma Human Rights & Value Education	2 sem.	20	X	X
6. Psychology	M.A. Psychology	4 Sem.	40	X	X
7. Sociology & Social work	M.A. Sociology	4 Sem.	60	30	30
	M.S.W@	4 Sem.	60	X	X
8. Women's Study Centre	PG Diploma Women Studies	2 Sem.	20	X	X

SCHOOL OF LAW:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. LAW	LLB	6 Sem.	X	80	80
	LLM@	4 Sem.	X	20	20

SCHOOL OF LIFE SCIENCES:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Botany & Microbiology	M.Sc. Botany	4 Sem.	30	20	20
	M.Sc. Microbiology	4 Sem.	25	X	X
2. Environment Sciences	M.Sc. Environ. Science	4 Sem.	20	X	20
	Advanced PG Diploma Environ. Economics	2 sem.	15	X	X
3. Zoology & Biotechnology	M.Sc. Zoology	4 sem.	25	20	20
	Integrated 5 Yrs. M.Sc. Biotechnology	10 sem.	12	X	X

SCHOOL OF MANAGEMENT:

Department	Course	Duration	Seats available		
			BCS	SRT	BGR
1. Business Management	MBA\$	4 Sem.	80	X	X
1. Centre for Mountain Tourism & Hospitality Studies	MBA (Tourism and Travel Management)\$	4 Sem.	40	X	20
	BHM@	8 sem.	60	X	X
	PG Diploma Tourism & Hoteliering	2 Sem.	20	X	X

BCS: Birla Campus, Srinagar **SRT:** SRT Campus, Tehri Garhwal **BGR:** BGR Campus, Pauri Garhwal
X: Seats not available **@:** Self finance **§:** Through counseling

Note: University has the right to alter the availability of seats in any subject.

ORDINANCE
DEPARTMENT OF PHYSICAL EDUCATION
FACULTY OF EDUCATION
CURRICULUM FRAMEWORK

GUIDELINES OF REGULATIONS AND SYLLABUS STRUCTURE FOR M.P. ED.
TWO YEARS PROGRAMME (FOUR SEMESTERS)
CHOICE BASED CREDIT SYSTEM (CBCS)

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 comprise of compulsory and optional theory as well as practical courses and compulsory school internship in School / College / Sports Organizations / Sports Academy / Sports Club.

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

Eligibility

- (a) Bachelor of physical education (B.P.Ed.) or equivalent with at least **50% marks.**
Or
 (b) Bachelor of Science (B.Sc.) in Health and physical education with at least **50% marks.**

The reservation in seats and relaxation in the qualifying marks for SC/ST/OBC and other categories shall be as per the rules of the Central Government/State Government, whichever is applicable.

Age: For General category candidates the upper age limit is 35 years as on 1st July of the academic year. Age relaxation for SC, ST and OBC candidate will be given according to the rules and regulation of GOI.

Number of seats: As approved by NCTE Jaipur for M.P.Ed. course.

Note:-

*Married girl is eligible for admission to M.P.Ed. programme. But, it is also compulsory for her to sign an undertaking that she will discontinue the programme at once for at least one academic year, if she gets pregnant during the course of study. She can join back afresh from the beginning of the semester keeping the guidelines pertaining to the maximum duration of the course in mind.

*No differently-abled candidate is eligible for the admission in M.P.Ed. programme.

Admission procedure: Admission shall be made on merit on the basis of marks obtained in the entrance examination consisting of 100 marks based on the following.

a- Written test	50 marks
b- Sports proficiency test	30 marks
c- Interview	10 marks
d- Sports achievement	10 marks

The total entrance test will be conducted in two days and could be extended, if needed and it will be conducted at BCC campus Srinagar.

- (A) **Theory Paper** comprising of 100 multiple-choice questions of one and half hours duration carrying 50 marks. Questions shall be based on B.P.Ed. course.
- (B) There shall be **Sports proficiency test** of 30 marks will be conducted by Internal Examiners of Department of Physical Education, HNBGU at Srinagar Garhwal. Following games and sports will be conducted in this test: **Athletics, badminton, basketball, cricket, football, handball, hockey, kabaddi, kho-kho, table-tennis, volleyball and yoga.**
- (C) **Interview** comprising of 10 marks will be conducted by Internal Examiners of Department of Physical Education, HNBGU at Srinagar Garhwal.
- (D) **Sports Participation Weightage :-** Candidate shall be given maximum 10 marks weightage on the basis of their sports participation in any one of the following level:

Participation	Marks
➤ International:	10
➤ Senior National championship/ National Games:	
1st Place :	10
2nd Place :	08
3rd Place :	07
Participation:	05
➤ All India Inter-Zonal Inter University Competitions:	
1st Place :	08
2nd Place :	07
3rd Place :	06
Participation:	05
➤ Zonal Inter University Competitions/Junior National Competitions:	
1st Place :	07
2nd Place :	06
3rd Place :	05
Participation:	04
➤ Senior State Championship/Rural national games/Women festival:	
1st Place :	05
2nd Place :	04
3rd Place :	03
Participation:	02

Note:-

*The marks will be given in only those games/sports, which are in the competition list of Association of Indian Universities (AIU) and/or School Games Federation of India (SGFI).

*The obtained position must be during last five academic sessions.

*The school state championship and inter collegiate championship participation shall be considered for eligibility criteria only; candidate shall not get any marks for sports weightage.

Medical examination: Qualified candidates will have to submit medical certificate by CMO and blood group certificate to the concern office.

Course fee: The course fee Rs 30,000/- shall be deposited in two installments ie. 1st installment of **Rs 15,000/-** at the time of admission in the course and 2nd installment of **Rs 15,000/-** at the time of admission in the 2nd year in the mode of **DD/Banker's cheque** in favour of the **Finance Officer, HNBGU Srinagar Garhwal, Uttarakhand.**

Duration: The M.P.Ed programme shall be of 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.

The student, who discontinue the programme after one year or more semesters due to extraordinary circumstances, are allowed to continue and complete the programme with due approval from the registrar.

The CBCS System: M.P.Ed 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.

Course: The term course usually referred to, as 'papers' is a component of a M.P.Ed 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.

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:

Teaching Practices:

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).

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

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 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 M.P.Ed. Programme is 90 credits and for each semester 20 credits. 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.

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 along with the Medical Certificate or proof of participation in intercollege or inter university competitions. Students who have 64% to 50% of attendance shall apply for condonation in prescribed form along with the Medical Certificate. Students who have below 50% of attendance are not eligible to appear for the examination.

Provision of Bonus Credits Maximum 06 Credits in each Semester

S. No.	Special Credits for Extra Co-curricular Activities	Credit
1.	Sports Achievement at Stale 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.

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. If the student again fails in the supplementary examination, he/she will not be allowed to continue the programme.
- iii. 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.

Pattern of Question Papers: Question Papers shall have five questions corresponding to five units of each theory course. M.P.Ed.: Format of Question Paper for 5 Units. Each question paper shall have five questions. The pattern will be as follows:

Question No.	Description	Marks
1.	(From Unit 1) Answer in detail (Long Question) Or Answer in detail (Long Question)	14
2.	(From Unit 2) Answer in detail (Long Question) Or Answer in detail (Long Question)	14
3.	(From Unit 3) Answer in detail (Long Question) Or	14

	Answer in detail (Long Question)	
4.	(From Unit 4) Answer in detail (Long Question) Or Answer in detail (Long Question)	14
5.	(From Unit 5) Answer in detail (Long Question) Or Answer in detail (Long Question)	14
Total		70

Examiners: There will be one internal and one external examiner based on the Game specialisation that is from **Athletics, badminton, basketball, cricket, football, handball, hockey, kabaddi, kho-kho, table-tennis, volleyball and yoga** for all the four semester in practical and teaching practice.

Evaluation: The performance of a student in each course is evaluated through continuous internal assessment (CIA), one test of 15 marks and of one to two hours duration is to be conducted around 10-14 weeks of academic work from the start of each semester; evaluation is to be done in terms of percentage of marks with a provision for conversion to grade point. If, any student is not able to give the internal test due to Medical reason or participation in intercollege or inter university competitions, the concerned course teacher must conduct the student examination within a month time (there is no provision for seeking improvement of internal assessment). The marks obtain in CIA is added with end semester examination and will be consolidated at the end of course. The components for continuous internal assessment are;

One Test	15 Marks
Seminar / Lab Practical / presentations	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.

Attendance in Percentage	Marks
Above 95	5
95-90	4
89-85	3
84-80	3
79-75	1
Below 75	0

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.

Educational Tour/Camp: In addition to the above rules the student must fulfill the following requirements to acquire the degree which is mandatory. Educational Tour or Leadership Camp organized by the Department of Physical Education of at least 05 days. The students shall contribute separately for these activities.

The student will have to attend Educational tour or Leadership camp in II semester, if any student due to extraordinary circumstances not able to attend tour/camp, are allowed to attend in IV semester with the permission of Head of the department. The students will have to submit tour/camp report within ten days after arrival from tour/camp compulsorily in the Department of Physical Education, H.N.B.G.U. failing which the result will not be declared.

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 **Letter Grades and Grade Points table** 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:

(i) $SGPA(S_i) = \frac{\sum(C_i \times G_i)}{\sum C_i}$

where C_i is the number of credits of the i th course and G_i is the grade point scored by the student in the i th course.

(ii) The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e. $CGPA = \frac{\sum(C_i \times S_i)}{\sum C_i}$

Where S_i is the SGPA of the i th semester and C_i is the total number of credits in that semester.

(iii) The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript or certificate or marksheet.

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.

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

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
	0.0	AB	Absent	Absent

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:

Example – I

Marks obtained by Student in course CC101 = 65/100

Percentage of marks = 65 %

Grade from the conversion table is = A

Grade Point = $6.0 + 5 (0.99/9.99)$

= $6.0 + 5 \times 0.1$

$6.0 + 0.5 =$

6.5

The Course Credits = 04

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

Course No.	Credit	Marks out of 100(5)	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

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

CC-102 $60 = 6.0$

CC-103 $62 = 60 + 2 = 6.0 + 2 \times (0.99/9.99) = 6.0 + 2 \times 0.1 = 6.0 + 0.2 = 6.2$ EC-101/EC-102 $57 = 55 + 2 = 5.5 + 2 \times (0.49 / 4.99) = 5.5 + 2 \times 0.1 = 5.5 + 0.2 = 5.7$

PC-101 $55 = 5.5$

PC-102 $72 = 70 + 2 = 7.0 + 2 \times (1.49 / 14.99) = 7.0 + 2 \times 0.1 = 7.0 + 0.2 = 7.2$ PC-103 $66 = 60 + 6 = 6.0 + 6 \times (0.99 / 9.99) = 6.0 + 6 \times 0.1 = 6.0 + 0.6 = 6.6$ 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 Points = 203.6 / 32 = 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 = 6.666875, Grade = A, Class = First Class

Semester-2

Course No.	Credit	Marks out of 100(5)	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

Course No.	Credit	Marks out of 100(5)	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

Course No.	Credit	Marks out of 100(5)	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:

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:
 - i) Marks of each Semester End Assessment and
 - ii) Marks of each Semester Continuous Internal Assessment for each course.
5. The final Class for M.P.Ed. Degree shall be awarded on the basis of last CGPA (grade) from all the one to four semester examinations.

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.

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.
- 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.
- 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.
- In case, the syllabus of any course is carried forward without any revision, it shall also be counted as revised in the revised syllabi.

Miscellaneous:

1. The procedural details may be given by the university from time to time.
2. Any unforeseen problems/difficulties may be resolved by Vice Chancellor, whose decision in the matter shall be final.
3. The provision of any order, rules or regulation in force shall be inapplicable to the extent of its inconsistency with these regulations.

Semester-I

Part- A Theoretical Course						
Course Code	Title of the papers	Total Hours	Credits	Internal Marks	External marks	Total
Core Course						
SOE/PE/C-501	Research Process in Physical Education	4	4	30	70	100
SOE/PE/C-502	Physiology of Exercise	4	4	30	70	100
SOE/PE/C-503	Evaluation in Physical Education	4	4	30	70	100
Elective course(Anyone)						
SOE/PE/E-501	Yogic Science	4	4	30	70	100
SOE/PE/E-502	Sports Technology					
Part – B Practical Course						
SOE/PE/P-501	Game Specialization I - Individual Skill	6	4	30	70	100
SOE/PE/P-502	Games Specialization I Theory (Skill & Technique)	6	4	30	70	100
SOE/PE/P-503	Lab Practical (Sports Psychology, Biomechanics & Kinesiology, Test and Measurement	6	4	30	70	100
Part – C Teaching Practices						
SOE/PE/T-501	Game Specialization I - Teaching Lesson (5 Lesson)	6	4	30	70	100
Total		40	32	240	560	800

Semester-II

Part- A Theoretical Course						
Course Code	Title of the papers	Total Hours	Credits	Internal Marks	External marks	Total
Core Course						
SOE/PE/C-601	Applied Statistics in Physical Education	4	4	30	70	100
SOE/PE/C-602	Sports Biomechanics and Kinesiology	4	4	30	70	100
SOE/PE/C-603	Athletic care and Rehabilitation	4	4	30	70	100
Elective course (Anyone)						
SOE/PE/E-601	Sports Journalism and Mass Media	4	4	30	70	100
SOE/PE/E-602	Sports Management and Curriculum design in Physical education					
Part – B Practical Course						
SOE/PE/P-601	Games Specialization I - Theory (training and tactics)	6	4	30	70	100
SOE/PE/P-602	Game Specialization I – Game proficiency	6	4	30	70	100
Part – C Teaching Practices (Coaching Lesson)						
SOE/PE/T-601	Game Specialization I Coaching Lesson (5 Lesson)	6	4	30	70	100
SOE/PE/T-602	Theory teaching on subjects of Ist & IInd Semester and Game Specialization II (5 Lesson)	6	4	30	70	100
Total		40	32	240	560	800

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Semester-III

Part- A Theoretical Course						
Course Code	Title of the papers	Total Hours	Credits	Internal Marks	External marks	Total
Core Course						
SOE/PE/C-701	Scientific Principles of Sports Training	4	4	30	70	100
SOE/PE/C-702	Sports Medicine	4	4	30	70	100
SOE/PE/C-703	Health Education and Sports Nutrition	4	4	30	70	100
Elective Course (Anyone)						
SOE/PE/E-701	Value and environment education	4	4	30	70	100
SOE/PE/E-702	Physical Fitness and Wellness					
Part – B Practical Course						
SOE/PE/P -701	Game Specialization II - Individual Skill	6	4	30	70	100
SOE/PE/P-702	Games Specialization II Theory (Skill & Technique)	6	4	30	70	100
SOE/PE/P -703	Lab Practical (Sports Psychology, Biomechanics & Kinesiology, Test and Measurement)	6	4	30	70	100
Part – C Teaching Practices						
SOE/PE/T -701	Game Specialization II - Teaching Lesson (5 Lesson)	6	4	30	70	100
	Total	40	32	240	560	800

Semester-IV

Part- A Theoretical Course						
Course Code	Title of the papers	Total Hours	Credits	Internal Marks	External marks	Total
Core Course						
SOE/PE/C-801	Information and communication technology in physical education	4	4	30	70	100
SOE/PE/C-802	Sports psychology	4	4	30	70	100
SOE/PE/C-803	Education technology in physical education	4	4	30	70	100
Elective Course (Anyone)						
SOE/PE/E-801	Dissertation	4	4	30	70	100
SOE/PE/E-802	Sports Engineering					
Part – B Practical Course						
SOE/PE/P-801	Games Specialization II - Theory (training and tactics)	6	4	30	70	100
SOE/PE/P-802	Game Specialization II – Game proficiency	6	4	30	70	100
Part – C Teaching Practices (Coaching Lesson)						
SOE/PE/T-801	Game Specialization II Coaching Lesson (5 Lesson)	6	4	30	70	100
SOE/PE/T-802	Theory teaching on subjects of IIIrd & IVth Semester and Game Specialization II (5 Lesson)	6	4	30	70	100
	Total	40	32	240	560	800

Note:-

1. Games specialization will be given in following Games and sports: Athletics, badminton, basketball, cricket, football, handball, hockey, kabaddi, kho-kho, table-tennis, volleyball and yoga. Student will select one Game specialization for I and II semester (**Game Specialization I**) and one more Game specialization for III and IV semester (**Game Specialization II**)

2. The Games specialization in a particular games and sports discipline will run by the department only if at least 5 students opt for a particular games and sports and availability of teacher of Games specialization.

Scheme of Examination

Semester-I

Paper	Theory (400)		Internal Marks	External marks	Total
	Subjects				
SOE/PE/C-501	Research Process in Physical Education		30	70	100
SOE/PE/C -502	Physiology of Exercise		30	70	100
SOE/PE/C -503	Evaluation in Physical Education		30	70	100
SOE/PE/E-501/502	Yogic Science / Sports technology		30	70	100
Practical (400)					
SOE/PE/P -501	Game Specialization I - Individual Skill		30	70	100
SOE/PE/P -502	Games Specialization I - Theory		30	70	100
SOE/PE/P -503	Lab Practical		30	70	100
SOE/PE/T -501	Game Specialization I - Teaching Lesson		30	70	100
Total			240	560	800

Semester-II

Paper	Theory (400)		Internal Marks	External marks	Total
	Subjects				
SOE/PE/C -601	Applied Statistics in Physical Education		30	70	100
SOE/PE/C -602	Sports Biomechanics and Kinesiology		30	70	100
SOE/PE/C-603	Athletic care and Rehabilitation		30	70	100
SOE/PE/E-601/602	Sports Journalism and Mass Media / Sports Management and Curriculum design in Physical education		30	70	100
Practical (400)					
SOE/PE/P -601	Games Specialization I - Theory		30	70	100
SOE/PE/P -602	Game Specialization I - Game proficiency		30	70	100
SOE/PE/T -601	Game Specialization I - Teaching Lesson		30	70	100
SOE/PE/T -602	Class room Teaching		30	70	100
Total			240	560	800

Semester-III

Paper	Theory (400)		Internal Marks	External marks	Total
	Subjects				
SOE/PE/C-701	Scientific Principles of Sports Training		30	70	100
SOE/PE/C -702	Sports Medicine		30	70	100
SOE/PE/C -703	Health Education and Sports Nutrition		30	70	100
SOE/PE/E-701/702	Value and environment education /Physical Fitness and Wellness		30	70	100
Practical (400)					
SOE/PE/P -701	Game Specialization II - Individual Skill		30	70	100
SOE/PE/P-702	Games Specialization II - Theory		30	70	100
SOE/PE/P -703	Lab Practical		30	70	100
SOE/PE/T -701	Game Specialization II - Teaching Lesson		30	70	100
Total			240	560	800

Semester-IV

Paper	Theory (400)		Internal	External	Total
	Subjects				

		Marks	marks	
SOE/PE/C-801	Information and communication technology in physical education	30	70	100
SOE/PE/C-802	Sports psychology	30	70	100
SOE/PE/C-803	Education technology in physical education	30	70	100
SOE/PE/E-801/802	Dissertation/ Sports Engineering	30	70	100
Practical (400)				
SOE/PE/P -801	Games Specialization II – Theory	30	70	100
SOE/PE/P -802	Game Specialization II - Game proficiency	30	70	100
SOE/PE/T-801	Game Specialization II - Teaching Lesson	30	70	100
SOE/PE/T-802	Class room Teaching	30	70	100
Total		240	560	800

Table-1: Semester wise Distribution of Hours per Week

Semester	Theory	Practicum	Teaching Practice	Total
I	16	18	06	40
II	16	12	12	40
III	16	18	06	40
IV	16	12	12	40
TOTAL	64	72	24	160

Minimum of 36 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	12	04	32
II	16	08	08	32
III	16	12	04	32
IV	16	08	08	32
TOTAL	64	48	16	128