



**H.N.B. Garhwal University
(A Central University)
Srinagar - Garhwal - 246174, Uttarakhand**

The Hemwati 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 Hemwati Nandan Bahuguna Garhwal University in the memory of Late Shri Hemwati 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 2014-2015

1. APPLICATION FORMS

Admission to various programs of study for the academic year 2014-15 will be processed under two categories (Entrance and Counseling). Each category has different application form.

- **Category E** : Admission through Entrance Test (for M.A. / M.Sc. / M.Com. / MCA / M.Pharm. / MSW / LLM / LLB / B.Pharm / B.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 (for MBA/MBA (Tourism)/ JEE (Main) for B.Tech Ist year JNU-DBT Combined Entrance Test, 2014 for M.Sc. Biotechnology)

Category E : ADMISSION THROUGH ENTRANCE TEST

School of Sciences M.Sc./ M.A. (4 Semesters): Physics, Chemistry, Mathematics, Statistics, Pharmaceutical Chemistry, Home Science, M. Pharm. (Pharmaceutics) B.Pharma (4 years): B. Pharm Ist year and Lateral Entry into second year in B.Pharma.
School of Life Sciences M.Sc. (4 Semesters): Zoology, Himalayan Aquatic Biodiversity, Microbiology, Integrated 5 year Biotechnology ,Environmental Sciences, Botany PG Diploma Courses (2 Semesters): Advanced P.G. Diploma in Environmental Economics
School of Earth Sciences M.Sc./M.A. (4 Semesters): Defense and Strategic Studies, Geology, Geography, Remote Sensing and GIS Applications
School of Agriculture and Allied Sciences M.Sc. (4 Semesters): Forestry, Horticulture, Seed Science & Technology, Rural Technology, Medicinal and Aromatic Plants
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, PG Diploma in Women Studies
School of Arts, Communication and Languages M.A. (4 Semesters): Drawing and Painting, Mass Communication, English, Hindi, Music (Vocal and Tabla), Sanskrit, Theatre PG Diploma Course (2 Semesters): P.G. Diploma in Journalism & Mass Communication B.Lib. & Inf. Sc. (1 year) : Bachelor of Library and Information Sciences
School of Commerce M.Com. (4 Semesters): Commerce PG Diploma Courses P.G Diploma in Company Administration, Business Administration

<p>School of Education MA (4 Semesters): Extension Education, M.A. in Education, Yoga and Alternative Therapies P.G. Diploma (2 Semesters): Yogic Science, B.P.Ed (1 year)</p>
<p>School of Management PG Diploma (2 Semesters): P.G. Diploma in Tourism and Elementary Hoteliering BHM (3 years /6 Semesters): Bachelor of Hotel Management</p>
<p>School of Engineering and Technology M.C.A. (6 Semesters): Computer Applications B.Tech.: Lateral Entry in second year: Computer Science and Engineering, Electronics and Communication Engineering, Instrumentation Engineering, Mechanical Engineering, Information Technology</p>
<p>School of Law LLM (4 Semesters): Master of Law LLB (6 Semesters): Bachelor of Law</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 any Indian University for post graduate programmes. A candidate can appear in Entrance Test for P.G. programme maximum in three subjects. Candidates applying for more than one PG programmes need to apply separately in application form along with the prescribed fee. For details please visit the University website www.hnbgu.ac.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 programmes, 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. degree programme, beside the entrance test, the candidate will also have to take physical efficiency 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)
School of Engineering and Technology: B.Tech. First Year (Instrumentation, Electronic and Communication, Computer Science, Mechanical Engineering, Information Technology)
School of Life Sciences : M.Sc. Biotechnology

For Eligibility Please See Table No. III

Admission to MBA (Business Management) and MBA (Tourism) shall be based on valid CAT/MAT/CMAT Score-2014. However, admission to B.Tech. (Instrumentation, Electronic

and Communication, Computer Science, Mechanical, Information Technology) shall be based on JEE (Main) Rank- 2014. While, admission to M. Sc. (Biotechnology) shall be based on JNU-DBT Combined Entrance Test 2014.

3. COST OF APPLICATION FORM: Rs. 500/- (Rs 250/-for SC/ST/PH) for MBA/MBA (Tourism) /B.Tech I year/ M Sc Biotechnology(JNU-DBT CET) and for other programmes viz. PG Entrance and PG Diploma and UG Professional Courses Rs 250/- (Rs 150/- for SC/ST/PH) Add **Rs. 50**, if application form is requested by post

4. HOW TO APPLY: Application forms can be obtained in person from the cash counter of the University by paying cash and getting receipt of the same; OR by post from the Office of The Coordinator, Entrance Test, Administrative Block, HNB Garhwal University, Srinagar-Garhwal, 246174, Uttarakhand, with the bank proof (bank receipt/counter foil in original) of prescribed fee and a self addressed envelope (size 30cm x 22cm). Request for application must be superscribed on the envelope "Request for application form for admission 2014 (Course Name)".

Application Form(s) can also be downloaded from the University website www.hnbggu.ac.in, which can be sent to the University with the proof of deposited prescribed fee/Demand Draft.

Application form shall not be accepted after the due date.

Duly completed application forms should be sent by Registered/Speed post to "The Coordinator (Entrance Test- 2014), Administrative Block, H.N.B. Garhwal University (A Central University), Srinagar-Garhwal 246 174, Uttarakhand" on or before the last date. Candidates applying for the more than one programmes should send their application forms in separate envelops. Superscribe the envelope as "Application for admission to (Name of the programme)".

5. HOW TO DEPOSIT FEE:

Deposit fee in the **University Account No: 33746581414** in the name of **Power Jyoti Current Account** of State Bank of India, Srinagar-Garhwal, Uttarakhand, (IFSC Code: **SBIN 0010583**) from any computerized branch of **State Bank of India** or by **Demand Draft** in favour of **Finance Officer**, HNB Garhwal University payable at Srinagar-Garhwal, Uttarakhand. Application forms can also be obtained in person from the cash counter of the University by paying cash and getting receipt of the same

6. IMPORTANT DATES:

- Application forms available at Cash Counter, **10//04/2014 to 05/05/2014**
H.N.B. Garhwal University, Srinagar (G) Uttarakhand
- Last date for the receipt of filled-in application by hand in the University cash counter, Srinagar/Pauri/Tehri campus : **05/05/2014**
(Category E)
- Last date for the receipt of filled-in application by speed post/registered post in the Coordinator's Office : **10/05/2014**
(Category E)
- Last date for the receipt of filled-in application forms : **14/06/2014**
for **category C** (Counseling) by speed post/registered post in the Coordinator's Office/Cash Counter of the University
- Date of Entrance Tests: **04/06/2014 to 07/06/2014**
(Please see **Table I for Details**)

7. 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

8. GENERAL INSTRUCTIONS FOR APPLICANTS:

- Certified copies of testimonials in support of educational qualification, eligibility, date of birth, caste category and certificates for weightage claimed must be attached with the form along with two self addressed envelopes of 22 cm X 10cm size.
- Self attested passport size colored photographs should be pasted at the appropriate boxes in the form.
- 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.
- Separate entrance test will be conducted for B.Ed. and M.Ed. courses under School of Education.
- 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.**
- **Incomplete and Application form received after the due date will be rejected. University will not be responsible for any postal delay.**
- **B.Pharm. Ist Year Candidate should indicate their group (Bio./Maths) in the application form (Educational Qualification)**

- **B.Tech Lateral Candidate should indicate their group (Diploma/B.Sc) in the application form (Educational Qualification)**

9. 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**.

- a) 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);
- b) 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);
- c) Student selected under Youth Festival organized by AIU-Zonal-2%, National 3% (maximum 3% in all);
- d) Participation in sports events organized by AIU-Zonal 3%, National 5% (maximum 5% in all);
- e) 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);
- f) 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 (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, Advance Environmental Economics, Company Administration, Business Administration, Women Studies, Yogic Science, Journalism & Mass communication, Tourism & Hoteliering. Bachelor Degree: BHM	June 04, 2014	8 AM to 10 AM
MCA;LLM; LLB; B.Tech (Lateral Entry); B.Pharma. (Lateral Entry)	June 04, 2014	11AM to 1 PM
M.A./M.Sc. : Political Science, Botany, Mathematics, Defense & Strategic Studies, Drawing and Painting	June 04, 2014	3PM to 5PM
M.A./M.Sc. : History, Environmental Science, Statistics, Geography, English	June 05, 2014	8 AM to 10AM
M.A./M.Sc. : Archaeology, Zoology, Physics, Geology, Mass Communication	June 05, 2014	11AM to 1 PM
M.A./M.Sc.: Sociology, Microbiology, Pharmaceutical Chemistry, Remote Sensing and GIS, Theater, B.Pharma (I year)	June 05, 2014	3PM to 5PM
M.A./M.Sc. : Anthropology, Chemistry, Himalayan Aquatic Biodiversity, B.Lib. & Info. Sciences , Medicinal & Aromatic Plants	June 06, 2014	8 AM to 10AM
M.A./M.Sc./MSW: Social Work(MSW), 5 Years Integrated Biotechnology, Home Science, Hindi, Rural Technology; M.Pharma.	June 06, 2014	11AM to 1PM
M.A./M.Sc./M.Com.: Economics, Commerce, Forestry, Yoga & Alternative Therapy	June 06, 2014	3PM to 5PM
M.A./M.Sc.: Psychology, Horticulture, Extension Education, Sanskrit, B.P.Ed.	June 07, 2014	8AM to10AM
M.A./M.Sc.: Philosophy, Seed Science and Technology, Education, Music (Vocal/Tabla)	June 07, 2014	11AM to 1 PM

- N.B :** 1. The programme for which entrance test shall be conducted from June 04 to June 07, 2014, 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. Please Visit University regularly for any change in the programmes.

Table-II
Programmes, Duration and Eligibility for Entrance Test for Admission
Academic Session 2014-15

A. SCHOOL OF SCIENCES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Physics	M. Sc.	4 Semesters	B.Sc. (Physics) with 45% marks for General/OBC candidates and for SC/ST as per University rules.	SS-01
2	Chemistry	M. Sc.	4 Semesters	B.Sc. (Chemistry) with 45% marks for General/OBC and for SC/ST as per University rules.	SS-02
3	Mathematics	M.A./M. Sc.	4 Semesters	For M.Sc : B. Sc. (Mathematics) with 45% marks for General/OBC and for SC/ST as per University rules. MA: Graduation in any discipline with 40% for General/OBC and for SC/ST as per University rules and Mathematics as one of the subject in graduation level.	SS-03
4	Statistics	M.A./M.Sc.	4 Semesters	For M.Sc , B. Sc. (Statistics) with 45% marks for general/OBC and for SC/ST as per University rules. MA: Graduation in any discipline with 40% for general/OBC and for SC/ST as per University rules and Statistics as one of the subject in graduation level.	SS-04
5	Pharmaceutical Sciences	M.Pharm. (Pharmaceutics)	4 Semesters	B. Pharm. with 60% marks for General/OBC Category and 55% for SC/ST candidates.	SS-05
		M. Sc. (Pharmaceutical Chemistry)	4 Semesters	B.Pharm. /B.Sc. with Chemistry as one of the subjects.	SS-06
		B. Pharm.	4 Years	10+2 examination or equivalent with Physics, Chemistry, Biology or Mathematics and English as subjects of study with at least 50% marks for General and OBC Category and 45% marks for	SS-07

				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. Ist year course shall complete the age of 17 years on or before 31st December, 2014	
		B. Pharm. Second year (Lateral Entry)	3Years	D. Pharma with 60% marks and 10+2 with Physics, Chemistry, Biology/Mathematics with minimum 50% marks for General/OBC Category and 45% marks for SC/ST candidates.	SS-08
6	Home Science	M.A.	4 Semesters	Graduation and Home Science as a subject in Graduation with 40% marks for General/OBC and for SC/ST as per University rules.	SS-09

B. SCHOOL OF LIFE SCIENCES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Zoology and Biotechnology	M. Sc. Zoology	4 Semesters	B. Sc. (Zoology) with 45% marks for General/OBC and for SC/ST as per University rules	LS-01
		5- year Integrated M.Sc. Biotechnology	10 Semester	10+2 Science (CBSE, ICSE or any equivalent board) with 60% marks for General/OBC and 55% for SC/ST category	LS-02
		M. Sc. Himalayan Aquatic Biodiversity	4 Semesters	B.Sc. (Life Sciences) with 45% marks for General/OBC and for SC/ST as per University rules	LS-03
2	Botany and Microbiology	M. Sc. Botany	4 Semesters	B. Sc. (Botany) with 45% marks for General/OBC and for SC/ST as per University rules	LS-04
		M. Sc. Microbiology	4 Semesters	B. Sc. (any stream of life sciences) with 45% marks for General/OBC and for SC/ST as per University rules	LS-05

3	Environmental Science	M. Sc.	4 Semesters	B.Sc. (any stream of Science) with 45% marks for General/OBC and for SC/ST as per University rules	LS-06
		Advanced PG Diploma in Environmental Economics	2 Semesters	M. Sc. (any stream of Science)/ M.Tech /M.Sc. Ag. with 55% marks for General/OBC and for SC/ST as per University rules	LS-07

C. SCHOOL OF EARTH SCIENCES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Defense & Strategic Studies	M. Sc./MA	4 Semesters	Graduation in any discipline with 40% marks for BA and 45% marks in B.Sc. for General/OBC and for SC/ST as per University rules	ES-01
2	Geology	M. Sc./MA	4 Semesters	B. Sc./BA (Geology) with 45% marks for General/OBC and for SC/ST as per University rules	ES-02
3	Geography	M. Sc./MA	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and with Geography as a Subject with 50% marks at U.G. level for SC/ST as per University rules.	ES-03
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/OBC 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.	ES-04

D. SCHOOL OF AGRICULTURE AND ALLIED SCIENCES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
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/OBC category and for SC/ST as per University rules	AG-01
2	Horticulture	M.Sc.	4 Semesters	4 years graduation degree in Horticulture/Agriculture with 45% marks for General/OBC category and for SC/ST as per University rules	AG-02
3	Seed Science & Technology	M. Sc (Ag).	4 Semesters	B.Sc. (Ag.)/B.Sc. Horticulture/ B.Sc. Forestry/ B.Sc. Seed Technology/Graduation with Botany with 45% marks for General/OBC category and for SC/ST as per University rules	AG-03
4	Rural Technology	M.Sc.	4 Semesters	Graduation with Botany/Geology/ Rural Technology/Agriculture/ Forestry/Horticulture with 45% marks for General/OBC category and for SC/ST as per University rules	AG-04
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/OBC category and for SC/ST as per University rules	AG-05

E. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Anthropology	M.A./M.Sc.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC candidates and SC/ST as per University rules or B. Sc. (Bio group) with 45% marks for General /OBC and for SC/ST as per University rules	SH-01

2	Economics	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-02
3	History & Archaeology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-03
		M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-04
4	Philosophy	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-05
5	Political Science	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-06
		P.G. Dip. in Human Rights & Value Education	2 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-07
		PG Diploma in Women Studies	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-08
6	Psychology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-09
7	Sociology	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SH-10
		Master in Social work (M.S.W.)		Graduation in any discipline with 45% marks for General/OBC and for SC/ST as per University rules.	SH-11

F. SCHOOL OF ARTS, COMMUNICATION AND LANGUAGES

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Drawing & Painting	M.A.	4 Semesters	Graduation with Drawing & Painting as one subject and 40% marks for General/OBC and for SC/ST as per University rules.	SA-01
2	Centre for Journalism & Mass Communication	M.A. in Mass Communication	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SA-02

		P.G. Diploma in Journalism & Mass Communication	2 Semesters	Graduation in any discipline with 40% marks for General/OBC and SC/ST as per University rules.	SA-03
3	English	M.A.	4 Semesters	Graduation with 40 % marks for General/OBC and English as a subject and for SC/ST as per University rules.	SA-04
4	Hindi	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SA-05
5	Library & Information Science	B.Lib. & Info. Science	1 Year	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SA-06
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/OBC and for SC/ST as per University rules.	SA-07
		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/OBC and for SC/ST as per University rules.	SA-08
7	Sanskrit	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SA-09
8	Folk and Performing Arts	M.A. Theatre	4 Semesters	Graduation in any discipline with 40% marks for General/OBC candidates and for SC/ST as per University rules	SA-10

G. SCHOOL OF COMMERCE

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Commerce	M.Com	4 Semesters	B. Com 40%, B.A/B.Sc with Maths/Economics 50% marks for General/OBC and SC/ST as per University rules	SC-01
		PG. Diploma in Business Administration	2 Semesters	Graduation in any discipline with 40% marks General/OBC and SC/ST as per University rules	SC-02
2	Secretarial Practice	PG. Diploma in Company Administration	2 Semesters	Graduation in any discipline with 40% marks General/OBC and SC/ST as per University rule	SC-03

H. SCHOOL OF EDUCATION

S. No.	Department	Name of Program	Duration	Essential Qualifications for Entrance Test	Course Code
1	Adult Continuing Education and Extension	Master in Extension Education	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules	SE-01
2	Education	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SE-02
3	Physical Education	B.P.Ed	1 year	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	SE-03
4	Naturopathy & Yoga	M.A.	4 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules.	SE-04
		P.G. Diploma in Yogic Science	2 Semesters	Graduation in any discipline with 40% marks for General/OBC and for SC/ST as per University rules	SE-05

I. SCHOOL OF MANAGEMENT

S. No.	Department	Name of Programme	Duration	Essential Qualifications for Entrance Test	Course Code
1	Centre for Mountain Tourism and Hospitality Studies	Bachelor of Hotel Management (BHM)	3 years / 6 Semesters	10+2 in any discipline from recognized Board.	SM-01
		PG Diploma in Tourism and Hoteliering	2 Semesters	Graduation in any discipline.	SM-02

J. SCHOOL OF ENGINEERING AND TECHNOLOGY

S. No.	Department	Name of Course	Duration	Essential Qualification for Entrance Test	Course Code
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.	ST-01
		B.Tech Computer Science and Engineering	Second year (Lateral Entry)	Three years Engineering Diploma holders from recognized Board/ University with minimum 60% marks OR B.Sc. with Mathematics as one of the subjects from recognized University with minimum 60% marks	ST-02
2	Electronics & Communication Engineering	B.Tech. (Electronics & Communication on Engineering)	Second year (Lateral Entry)	--do--	
3	Instrumentation on Engineering	B.Tech on Engineering	Second year (Lateral Entry)	--do--	
4	Mechanical Engineering	B. Tech (Mechanical Engineering)	Second year (Lateral Entry)	--do--.	
5	Information Technology	B. Tech. (Information Technology)	Second year (Lateral Entry)	--do--	

K. SCHOOL OF LAW

S. No.	Department	Name of Course	Duration	Essential Qualification	Course Code
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 OBC and 40% marks in case of SC/ST candidates. The candidate seeking admission should be less than 30 years of age if from General/OBC category and less than 35 years if from SC/ST category at the time of admission. Bar Council of India vide its resolution No. 200/2013 decided to withdraw the age restriction for taking admission. However, again the matter is being reconsidered in the forthcoming meeting of the General Council of the	LL-01

				Bar Council of India. The age withdrawal for admission will be subject to the final decision from Bar Council of India.	
		LL.M.	4 Semesters	Three years or Five years LL.B Degree holders with minimum 50% marks	LL-02

TABLE -III
Eligibility and Other Conditions for Admission through counseling based on
All India Test Scores
CAT/MAT/CMAT Score-2014/JNU-DBT CET Score-2014/JEE (MAIN) Rank-2014

A. SCHOOL OF MANAGEMENT

S. No.	Department	Name of Programme	Duration	Eligibility Criteria and Educational Qualification	Course Code
1	Business Management	M.B.A. (Marketing, Human Resource Management, Finance, International Business, Information Technology, Cooperative Management)	4 Semesters	Graduation in any Discipline and valid CAT/MAT/CMAT Score 2014	BM-01
2	Centre for Mountain Tourism and Hospitality Studies	M.B.A. (Tourism)	4 Semesters	Graduation in any Discipline and valid CAT/MAT/CMAT Score 2014	TM-01

B. SCHOOL OF LIFE SCIENCES

S. No.	Department	Name of Programme	Duration	Eligibility Criteria and Educational Qualification	Mode of Admission	Course Code
1	Zoology & Biotechnology	M. Sc. Biotechnology	4 Semesters	Admission through JNU-DBT conducted Combined Entrance Test	Counseling based on JNU-DBT CET-2014	LS-08

C. SCHOOL OF ENGINEERING AND TECHNOLOGY

S. No.	Department	Name of Programme	Duration	Eligibility Criteria and Educational Qualification	Mode of Admission	Course Code
1	Computer Science & Engineering	B.Tech. (Computer Science & Engineering)	8 Semesters	10+2 from any recognized board with pass in Mathematics & Physics and also 50% marks obtained in Mathematics and Physics together with valid JEE (Main) Rank 2014.	Counseling based on JEE (Main) Rank 2014 (JEE Main Score-2014 and normalized score (percentile basis) XII Board or other qualifying examination (60% and 40% weightage, respectively)	ST-03
2	Electronics & Communication Engineering	B.Tech. (Electronics Communication)	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--	

10. SYLLABUS FOR ENTRANCE TEST FOR VARIOUS PROGRAMS

- **B.H.M.&C.T., 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, PG Diploma in Journalism & Mass Communication:**

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 :** Multiple choice questions in Cytogenetics, Molecular biology and Biotechnology, Plant Physiology and Biochemistry, Economic Botany and Plant Breeding, Plant Embryology, Plant Pathology, Seed processing/storage/seed testing/farm management and marketing
- **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, Piano'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, De Moiver'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 2, 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/OBC category candidate is 28 years on 01-07-2014. Age relaxation for SC/ST candidates will be permissible under the rules and regulation of Govt. of India and University.

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. Participation 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. Pharm. (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 as subjects of study.

● **B.Pharm (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 Ist and IInd 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.

● **M Sc. Pharmaceutical Chemistry**

General Chemistry: Atomic Structure, Chemical Bonding, Bio-inorganic Chemistry, Organic Chemistry: Nomenclature, general methods of preparation and properties of the following classes, Alkanes, Alkenes, Alkynes, Alcohols, Ethers, Benzene, Aldehydes and Ketones, Carboxylic acids. Cell and Molecular biology, Applied Biology: Use of Microbes, plants and animals for human beings. Introductory Biotechnology (Genetic Engineering tools and technique, Technique of separation and isolation and isolation of DNA, RNA and protein) Vaccination: mechanism of Vaccination, Types of Vaccines.

Biopolymers: Structure of proteins, DNA and RNA., Structure and role of carbohydrates, fats, fatty acids and cholesterol, proteins and amino-acids, nucleic acids. Bioenergetics. A Preliminary knowledge of I R, U V, Mass, N M R Spectroscopy,

Plant Resource Development: Domestication and introduction of plants; Plants as sources for food, fodder, fibre, spices, beverages, edible oils, drugs, narcotics, insecticides, timber, gums, resins and dyes, latex, cellulose, starch and its products; Perfumery; Importance of Ethnobotany in Indian context; Energy plantations; Botanical Gardens and Herbaria. Herbs as health, Food and Cosmetics.

11. SYALLBUS FOR OTHER PROGRAMMES

Multiple choice questions based on the Syllabus of Undergraduate programmes of any Indian University recognized by UGC or visit the University website for the Syllabus of Under Graduate programmes of H.N.B. Garhwal University for admission to the other post graduate programmes.