



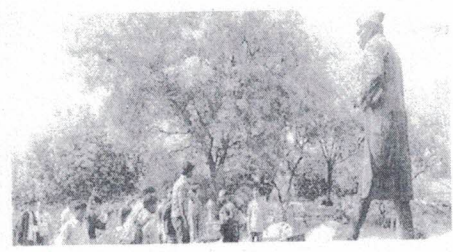
# JAWAHARLAL NEHRU UNIVERSITY

जवाहरलाल नेहरू विश्वविद्यालय

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## NEWS & EVENTS



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## GENERAL

The Jawaharlal Nehru University constituted under the Jawaharlal Nehru University Act 1966, (53 of 1966) came into existence in 1969. Its objectives, as defined in the First Schedule of the Act, are as follows:

"The University shall endeavour to promote the principles for which Jawaharlal Nehru worked during his life-time, national integration, social justice, secularism, democratic way of life, international understanding and scientific approach to the problems of society.

Towards this end, the University shall:

- (i) foster the composite culture of India and establish such departments or institutions as may be required for the study and development of the languages, arts and culture of India;
- (ii) take special measures to facilitate students and teachers from all over India to join the University and participate in its academic programmes;
- (iii) promote in the students and teachers an awareness and understanding of the social needs of the country and prepare them for fulfilling such needs;
- (iv) make special provision for integrated courses in humanities, science and technology in the educational programmes of the University;
- (v) take appropriate measures for promoting inter-disciplinary studies in the University;
- (vi) establish such departments or institutions as may be necessary for the study of languages, literature and life of foreign countries with a view to inculcating in the students a world perspective and international understanding;
- (vii) provide facilities for students and teachers from other countries to participate in the academic programmes and life of the University."

In the light of the above, the approach of the University has been to evolve policies and programmes which will make Jawaharlal Nehru University a distinct addition to the national resources in higher education rather than a mere quantitative expansion of facilities which already exist. The University has identified and is concentrating upon some major academic programmes, which are of relevance to national progress and development.

The basic academic units of the University are not single discipline departments but multi-disciplinary Schools of Studies. A School has been visualised as a community of scholars from disciplines which are linked with each other organically in terms of their subject-matter and methodology as well as in terms of problem areas. Some Schools are made up of a number of Centres which constitute the units operating within the broad framework of a School. A Centre

has been defined as a community of scholars irrespective of their disciplines engaged in clearly identified inter-disciplinary programmes of research and teaching.

Unless otherwise specified in the question paper, the JNU being an all India University, the medium of instruction for all programmes of study (barring Languages) is English; and the candidates are advised to write their answers, as far as possible, in English.

In order, however, to facilitate students coming from varying backgrounds with medium of instruction other than English at their Bachelor's/Master's level, the University has in-built facilities for remedial courses in English Language in order to enable them to strengthen their foundation in English as well as to cope up with their academic and research programmes adequately.

The University includes the following Schools of inter-disciplinary research and teaching besides some Special Centres of Study:

- (i) School of International Studies
- (ii) School of Language, Literature and Culture Studies
- (iii) School of Social Sciences
- (iv) School of Arts and Aesthetics
- (v) School of Life Sciences
- (vi) School of Environmental Sciences
- (vii) School of Computer and Systems Sciences
- (viii) School of Physical Sciences
- (ix) School of Computational and Integrative Sciences
- (x) School of Biotechnology
- (xi) Centre for Molecular Medicine
- (xii) Centre for Sanskrit Studies
- (xiii) Centre for the Study of Law and Governance
- (xiv) Centre for Nano Sciences

In matters relating to enrolment, steps have been taken to ensure that students from all parts of the country are able to join the University so that it becomes a national University in the true sense of the word.

The admission policy of the University is governed by the following principles :

- (i) to ensure admission of students with academic competence and potentialities of high quality so that its alumni may be able to play their role in the process of national construction and social change in a meaningful manner;
- (ii) to ensure that adequate number of students from the under-privileged and socially handicapped sections of our society are admitted to the University; and

- (iii) to maintain all-India character of the University by having on its rolls a fair representation of students from different regions of the country especially the backward areas.

Upto 22.5 per cent (15% for SC and 7.5% for ST) of seats are reserved for SC/ST candidates respectively. 3% seats are reserved for Person with Disability (PWD). 27% seats are reserved for OBC candidates (non creamy layer).

**Note:** For candidates applying for Post Graduate/PG Diploma/Under Graduate/Part-Time programme: All OBC category (non creamy layer) candidates are eligible to 10% relaxation in the percentage of marks in the qualifying examination in relation to open category. The SC/ST and Person with Disability (PWD) candidates who have passed the qualifying examination irrespective of their percentage of marks are eligible to appear in the Entrance Examination.

**For candidates applying for M.Phil programme:** Candidates for admission to the M.Phil. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19<sup>th</sup> September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

**For candidates applying for Ph.D programme:** Subject to the conditions stipulated in these Regulations, the following persons are eligible to seek admission to the Ph.D. programme: (a) Master's Degree holders satisfying the criteria stipulated above.; (b) Candidates who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil. Degree shall be eligible to proceed to do research work leading to the Ph. D. Degree in the same Institution in an integrated programme. A relaxation of 5% of marks,

from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.; (c) A person whose M.Phil. dissertation has been evaluated and the viva voce is pending may be admitted to the Ph.D. programme of the same Institution; and (d) Candidates possessing a Degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

In the light of the objectives of the University as spelt out in the First Schedule of the Act, steps have been taken to ensure that students from outside India, especially from the developing countries join the rolls of the University in adequate number.

The number of seats being limited, admission will be made on the basis of merit. Merit lists will be drawn in accordance with the provisions of Admission Policy of the University.

**The outstation candidates admitted to the programme of study of the University will be considered for hostel accommodation as per rules of the University subject to availability of hostel accommodation. Grant of admission in a University would not ensure automatic allotment of hostel accommodation and that the same will be offered subject to its availability.**

No Candidate shall be eligible to register himself/herself for a full-time programme of study if he/she is already registered for any full-time programme of study in this University or any other University/Institution.

However, students pursuing M.Phil./Ph.D., M.Tech./ Ph.D., MPH programme are allowed to take up full time employment only after completing three years residential requirement. Provided that those engaged in teaching and research in recognized institution located in Delhi/NCR may be allowed to take up the full time employment subject to a limitation of 12.5% of the total number of M.Phil./Ph.D., M.Tech./Ph.D., MPH student in a particular School/Centre (Prior approval and No Objection Certificate from the employer is pre-requisite for registration/admission).

A candidate who successfully completes a programme in one particular language/subject may not be entitled for admission to same level of programme (language/subject) again. The candidate may be allowed one more chance to get admission in other language/subject. Further, the candidate who fails to complete the programme successfully in the first two chances will not be given admission third time in the same language/subject under any circumstances. This will be applicable to all programmes of study being offered by the University.

**Courses, Mode of teaching and Mode of evaluation, Curriculum updation**

JNU is innovative with regard to its academic structure, and the revision of curricula is a continuous and ongoing process. The revision is initiated by individual faculty member(s) depending on requirements with a view to keeping pace with the changing needs.

Keeping the spirit of the interdisciplinary character of the University, the courses are structured in such a way that in addition to the prescribed compulsory courses in the discipline concerned, the students are encouraged to opt for optional courses offered by the concerned Centre/School and from other Centres/Schools to benefit from the faculty of other Centres/Schools. Unless a student obtains prescribed grades and credits in optional courses, he/she will not be qualified for award of a degree.

The University follows semester system. Each course is for the duration of one semester and it is assigned a specific number of credits. The number of credits to be assigned to a course are determined by Board of Study/Special Committee of the School/ Special Centre on the recommendation of the Centre concerned. Evaluation is done by the concerned course teacher with the exception of M. Phil dissertation and Ph. D. thesis. University follows a continuous evaluation system. Each course has a number of credits assigned to it based on the prescribed contact hours.

Credit Requirements for

- a) Three year BA Programme in Languages (entry at 1<sup>st</sup> year level)  
There shall be two level of courses:
    - i) 'C' level courses which will be given ordinarily in the first two semesters.
    - ii) 'B' level courses which will ordinarily be given in the third, fourth, fifth and sixth semesters; and
  - b) Three year B.A. programme in Languages (entry at 2<sup>nd</sup> year level)
    - i) 'C' level courses
    - ii) 'B' level courses which will ordinarily be given in the third, fourth, fifth and sixth semesters; and
  - c) M.A./M.Sc./MCA programme
    - i) 'C' level courses to be given during the entire duration of the programme
    - ii) 'B' level courses to be given during the entire duration of programme of four semesters
    - iii) 'A' level courses to be given during the entire duration of programme
2. Ordinarily a course shall be given in three/four contact hours a week and the credits for these courses shall be as follows
- |                     |  |
|---------------------|--|
| 'C' level courses : | 2 credits (1 Credit == 2 contact hours/week) |
| 'B' level courses : | 3 credits (1 Credit == 1 contact hour/week)  |
| 'A' level courses : | 4 credits (1 Credit == 1 contact hour/week)  |
3. The actual credits requirement in the case of a student or a group of students for Master's Degree shall be prescribed by the Centre concerned.

#### **B.A. (1<sup>st</sup> year entry level)**

Minimum credit requirements 100. Out of 100 credits 22 credits from optional courses and 10 credits from tool courses. Duration 6 semesters: extendable by two extra semesters; FGPA requirement is 4.00 for B.A. (Hons.) degree and between 3.00 to 3.99 for B.A. (Pass) degree.

#### **B.A. (2<sup>nd</sup> year entry level)**

Minimum credit requirements 76. Out of 76 credits 22 credits from optional courses and 06 credits from tool courses. Duration 4 semesters: extendable by two extra semesters; FGPA requirement is 4.00 for B.A. (Hons.) degree and between 3.00 to 3.99 for B.A. (Pass) degree.

#### **M.A./M.Sc.**

Minimum credit requirements 64 Duration: 4 semesters extendable by two extra semesters; CGPA requirement for M.A./M.Sc. degree is 4.00

#### **M.C.A.**

Minimum credit requirements 96 Duration: 6 semesters extendable by two extra semesters; CGPA requirements 4.0 for MCA degree.

#### **Evaluation:**

1. The system of evaluation for each course shall be laid down by the Board of Study/Special Committee of the School/ Special Centre on the recommendation on the Centre concerned.
2. For courses having a semester examination, sessional work shall carry the same weight as the semester examination.
3. The pattern and schedule of sessional work for each course of a semester shall be prescribed by the Board of Study/ Special Committee of the concerned School/Special Centre, on the recommendation of the Centre concerned, and shall be made known to the students at the commencement of each semester.
4. The students shall be graded in each course on a 10 point scale, that is:

<b>Grade</b>	<b>Grade Point</b>
A+	9
A	8
A-	7
B+	6
B	5
B-	4
C+	3
C	2
C-	1
F	Fail

Note: There shall be no rounding off of SGPA/CGPA/FGPA

5. A student who fails in a course shall be required either to repeat that course or to clear another course in lieu thereof.

#### **Explanation:**

A Student shall be required to repeat a course or clear another course in lieu thereof irrespective of his/her past performance in the sessionals if he/she has been awarded a final weighted grade of 'F' in that course.

6. A student who secures a grade higher than 'F' in a course may be permitted by the Centre to improve his/her grade by repeating that course once:

Provided further that a student who wants to repeat a course to improve his/her performance shall be allowed to do so only if he/she surrenders his/her earlier grade in the course by 16th August in case of Monsoon Semester courses and by 1st February in case of Winter Semester courses. Having surrendered his/her earlier grade by due date, it will be his/ her repeat performance in the course which will be taken into account to compute the SGPA and the CGPA. His/her transcript will however, reflect appropriately both the performances and the fact that he/she had repeated the course/courses.

7. A Student will be required to maintain a C.G.P.A. of 3.0 (in core courses in the case of Languages Programmes and all courses in the case of other Programmes) at the end of the second semester and thereafter. However, in respect of MCA programme a student will be required to maintain a SGPA of 3.00 in the first two semesters separately and 4.00 thereafter throughout the programme.

#### **Post Graduate Diploma in Big Data Analytics**

This program offered by SC&IS consists of 15 credits of course work in the first semester and 06 credits of dissertation in 2<sup>nd</sup> semester. Currently only specialization in Biology Big Data is offered at SC&IS.

#### **M. Phil.:**

It has both course work and dissertation. The course work will be completed in first two consecutive semesters followed by dissertation within the maximum permissible period of two semesters. The entire M.Phil programme has to be completed in four consecutive semesters.

The credit requirement for course work and dissertation is a minimum of 26 credits with at least 18 credits for the course work (including Research Techniques/Methodology and at least 8 credits for the dissertation). FGPA requirement is 5.0 for M.Phil. degree.

#### **M.Tech. :**

It has both course work and dissertation. The entire M.Tech. programme has to be completed in four consecutive semesters.

The credit requirement for course work and dissertation is 50 credits with at least 38 credits for the course work and 12 credits for dissertation. FGPA requirement is 5.0 for M.Tech. degree.

**At SCNS,** M.Tech. in Nano-Science and Nano-Electronics degree credit requirements is 55 credits, with at least 45 credits for the course work and 10 credits for the dissertation. Students securing minimum required CGPA as per ordinance will be eligible for the award of M.Tech. degree.

**M.Tech. – Ph.D. Integrated at SCNS:** If the students complete the M.Tech. program with the CGPA of 6.5 or more the students may be permitted to register for Ph.D. on the basis of their performance in the interview after the fourth semester.

#### **M.P.H.:**

The programme comprising of course work and field work shall be spread over in four semesters.

The credit requirement for course work and dissertation is 36 credits (with atleast 27 credits for the course work (including Research Methodology) and 9 credits for field work) and FGPA requirement is 5.5 for MPH degree.

#### **Ph. D. :**

Generally no course work. However, depending upon the individual cases the Committee for Advanced Studies and Research/Special Committee of the concerned School/Special Centre, on the recommendations of the concerned Centre/Department, may prescribe some courses either as credit courses or audit courses.

#### **Evaluation:**

Evaluation of course work will be done in the same way as explained earlier in the case of M.Phil./M.Tech./MPH programmes.

However, there is no provision for repetition of course in these programmes. If one fails in a course he/she will be out of the programme.

A student, enrolled in the M.Phil./M.Tech. Programmes will be required to maintain a CGPA of 5.00 (4.5 for SC/ST/OBC/PWD) at the end of second semester of the programme i.e. at the end of course work failing which he/she has to discontinue the programme. In case of students enrolled in the MPH programme he/she has to maintain a CGPA of 5.00 (4.5 for SC/ST/OBC/PWD) at the end of second semester of the programme. Further if a student admitted to the above programmes fails in any course/in any semester he/she has also to discontinue the programme irrespective of SGPA/CGPA.

The dissertation will be evaluated by two examiners - one of them will be the Supervisor and the other - an external examiner. If both the examiners find the

dissertation worthy of awarding degree then they will award the grade jointly after the viva-voce. (In case the viva is waived off then each one gives the grade and the average is taken as the grade for the dissertation).

A student will be required to obtain a CGPA of 5.0 to be eligible for the award of M.Phil Degree and must obtain a CGPA of 6.0 (5.5 in case of SC/ST/PH students) to be eligible for continuation in the Ph.D. programme.

The Ph.D thesis will be evaluated as per Ph.D. Ordinance of the University.

**(The M.Phil/Ph.D. programme will be governed by UGC Regulations 2016)**



**School of Social Sciences**

**(A) PROGRAMMES OF STUDY**

The School of Social Sciences is the largest post-graduate School in the University. It has M.A., M.Phil./Ph.D., MPH and admission to Ph.D. programmes in its various Centres. It has no undergraduate programme of its own, even though it offers a few under-graduate courses for students of School of Language, Literature & Culture Studies. The School has nine Centres, in which regular admission takes place in different programmes as detailed in the following table:

**Centre, Programme of Study & Field of Study**

1. **Centre for Economic Studies and Planning**
  1. M.Phil./Ph.D. in Economic Studies & Planning
  2. M.A. in Economics
2. **Centre for Historical Studies**
  1. M.Phil./Ph.D. in Historical Studies
    - a. Ancient History
    - b. Medieval History
    - c. Modern History
  2. M.A. in History
    - a. Ancient History
    - b. Medieval History
    - c. Modern History
3. **Centre for Political Studies**
  1. M.Phil./Ph.D. in Political Studies
  2. M.A. in Political Science
4. **Centre for the Study of Regional Development**
  1. M.Phil./Ph.D. in Regional Development
    - a. Economics
    - b. Geography
    - c. Population Studies
  2. M.A. in Geography
5. **Centre of Social Medicine and Community Health**
  1. M.Phil.(Social Sciences in Health)/Ph.D.
  2. Masters in Public Health (MPH)
6. **Centre for the Study of Social Systems**
  1. M.Phil./Ph.D. in Social Systems
  2. M.A. in Sociology
7. **Centre for Studies in Science Policy**  
M.Phil./Ph.D. in Studies in Science Policy
8. **Centre for Philosophy**
  1. M.Phil./Ph.D. in Philosophy
  2. M. A. in Philosophy
9. **Zakir Husain Centre for Educational Studies**  
M.Phil./Ph.D. in Educational Studies
10. **Centre for Women's Studies**  
M.Phil./Ph.D. in Women's Studies.
11. **Centre for the Study of Discrimination and Exclusion (CSDE)**  
M.Phil./Ph.D. in Discrimination and Exclusion Studies
12. **Centre for Informal Sector and Labour Studies**  
M.A. in Development and Labour Studies
13. **Centre for Media Studies**  
M.Phil./Ph.D. in Media Studies

**14. North East India Studies Programme**

M.Phil./Ph.D. in North East India Studies

**Note: In addition to above, Admission to Ph.D. Programmes is also offered in the above Centres of the School.**

**The following offer only Admission to Ph.D. Programme.**

**15. Group of Adult Education**

The Group of Adult Education offers only admission to Ph.D. programme.

The School has a lively academic ambience. The teaching and research programmes in the School have certain innovative elements. While ensuring rigorous discipline- oriented training in each Centre, interest is generated in multi-disciplinary study and research, by allowing students to take courses in other Centres depending upon their aptitude as well as the relevance of the courses to their main disciplines and areas of research interest.

**(B) CENTRES OF THE SCHOOL**

**1. Centre for Economic Studies and Planning**

The Centre has established itself as a premier institution for teaching and research in Economics, and has been recognized by the UGC as a Centre for Advanced Studies. The richness of the teaching and research programmes is reflected in the structure of the courses and the research output of faculty and research scholars. The faculty has a distinguished record of publications of books, monographs and articles, as well as outreach through more accessible articles in the popular media.

The Centre strives to ensure that the faculty is easily accessible to the students. The pedagogic emphasis is on understanding and learning rather than on memorizing. Students have to write term papers, make presentations, solve problems, appear in open book examinations, etc. as part of a continuous evaluation process.

**(a) Admission to the Ph.D. programme**

A very limited number of scholars are admitted to the Ph.D. programme. Only those candidates shall be considered for admission to the Ph. D. Programme who have

- (a) obtained 2 years M.Phil degree of a recognised university/institution
- OR
- (b) obtained one year or one and a half year M.Phil degree with one year's work experience and one publication
- OR
- (c) at least two years work experience after Master's degree with research publications comparable to M.Phil standard.

In addition, they should have obtained Master's degree with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale.

**(b) M.Phil./Ph.D programme**

The M.Phil. programme consists of course work (4 courses to be completed in the first year, accounting for a total of 16 credits) and a dissertation (to be completed in the second year, accounting for 8 credits). One compulsory course must be chosen out of either "Methods of Economic Analysis" or "Statistical and Econometric Methods", while the other three may be chosen from a range of optional courses offered in each semester. The purpose of these courses is to introduce students to analytical issues and the current state of research in the subject, with a view to providing a background for the research

required for the dissertation. Course work involves lectures, presentations and writing papers, while students writing their dissertations are required to present their work in progress at different points.

Promotion to the Ph.D. programme is not automatic. Students who receive a cumulative grade point average of 6.5 or more are allowed to choose to go directly to the Ph.D. or finish their M.Phil dissertation first. On completion of the M.Phil., an overall grade of 6.0 is required to continue for the Ph.D. programme.

Admission to the programme is on the basis of a written examination (70 per cent) and a viva voce examination (30 per cent). Candidates seeking admission to the programme are required to bring a synopsis of their planned research theme, and have some idea of its scope and viability.

(c) **M.A. programme:**

The focus of the M.A. programme is twofold: (i) to acquaint the students with the analytical foundations of the discipline of economics in alternative theoretical approaches; and (ii) to enable the students to relate their analytical understanding of the subject to the actual experience of economies and to interpret processes of change using a historical perspective. Special emphasis is placed on the study of aspects of development, in the context of the Indian economy. The programme consists of 16 courses taught over four semesters. 8 courses taught in the first year are compulsory while the remaining 8 courses are optional, to be chosen out of a range of courses offered out of the Centre and including 2 that can be chosen from outside the Centre if desired. One of the new experiences for many students comes from an introduction to research through the requirement of writing term papers for several courses.

2. **Centre for Historical Studies**

Recognised as a Centre for Advanced Studies by the UGC, The Centre for Historical Studies is a premier centre of teaching and research in history within India. It is also one of the oldest centres in the School of Social Sciences having launched its programme of Post Graduate Studies in 1970 under the guidance of eminent historians like Professors S. Gopal, Romila Thapar, Bipan Chandra and Satish Chandra. A major focus of the Centre continues to be on cutting-edge research that can expand the frontiers of the discipline.

(a) **Admission to Ph.D. programme**

Those who wish to be admitted to this programme need to have an M.Phil. degree with a dissertation from a recognized institution or at least two published research papers, the final selection into this programme is done on the basis of an interview by the faculty.

(b) **M.Phil./Ph.D.**

The Centre focuses its teaching and research on Ancient, Medieval, Modern and Contemporary History with particular emphasis on the study of economic, social and cultural changes. Students who learn to handle different types of source material are encouraged to work on themes that cut across these chronological divides.

**Ancient History:** Emphasis is placed on training students in different disciplines: archaeology, text studies, languages, epigraphy, and numismatics. In particular, study and research on the following are encouraged: evolution of social structure, gender and sexuality, political process, agrarian relations, urbanization, trade, religion, philosophy, literary culture, intellectual history, cultural history, historical geography.

**Medieval History:** Study and Research includes structure and change in medieval Indian Society, state systems, agrarian development, growth of trade and commerce, ideology and culture. Emphasis is also given to the study of two major transitions in Indian History—from ancient to medieval and from medieval to colonial regimes, through a reconstruction of structural continuities and cleavages encompassing the institutional, technological, social, economic and ideological development.

**Modern History:** Apart from the study of social changes and evolution of agrarian, industrial and class structures, emphasis is placed on the study of colonialism in its economic, political and cultural dimensions, nationalism and the national movement, peasant, trade union and tribal movements, the growth of left-wing parties and groups and developments in the cultural, intellectual and ideological fields.

Focuses on the study of Colonial and contemporary societies. Themes include: colonialism and nationalism, capitalism, state and law; labour and gender history, economic and social history, cultural and intellectual history, legal and environmental history; histories of peasant and tribal societies, histories of castes and communities, histories of domination and subordination; comparative perspectives on Asia, Africa and Europe.

**Contemporary History:** In this field an effort is made to situate the evolution of contemporary developments, particularly those since World War II, in a long term historical context. Special attention is given to studying the linkages between different aspects of contemporary society viz., the economy, polity, culture, environment, etc., in a holistic manner, i.e. not compartmentalised into the relatively strict boundaries of disciplines such as political science, economics or sociology. Also, an attempt is made to conduct the above studies in a comparative perspective, taking into account the experience of different countries.

Focuses on the study of Colonial and contemporary societies. Themes include: colonialism and nationalism, capitalism, state and law; labour and gender history, economic and social history, cultural and intellectual history, legal and environmental history; histories of peasant and tribal societies, histories of castes and communities, histories of domination and subordination; comparative perspectives on Asia, Africa and Europe.

The M.Phil. programme of the Centre is intended to introduce the students to research in history through a research methodology course and dissertation. Efforts are made to fill gaps in the student's knowledge of the period or area of history with lectures as well as seminar courses in the first year. The dissertation will have to be submitted on the basis of primary research work undertaken by the student at the end of the two year programme.

At the time of the viva-voce, M.Phil./Ph.D. candidates should come with 1000 word synopsis of their research proposal (six copies). In the interview, they will be asked questions regarding their proposal, primary sources and some of the key books read by them in their M.A. course.

**Candidates applying for M.Phil./Ph.D. (History) programme are allowed to exercise only one option, i.e., Ancient History; or Medieval History; or Modern Indian History, and the option so exercised must be clearly mentioned in the appropriate column in the Application Form as well as on the top of the answer-book supplied to the candidates in the Examination Hall.**

**Candidates may please note that the answer-books carrying more than one option will be considered invalid.**

**Promotion from M.Phil. to Ph.D. is not automatic and is as per the provisions of relevant ordinance.**

**(c) M.A. in History**

Students entering the Centre are offered a flexible programme while specialising in (1) Ancient History, or (2) Medieval History, or (3) Modern and Contemporary History. Along with courses in their specialisation, students are required to offer a set of common courses designed to survey (a) historiography and historical methods, and (b) broad patterns of socio-economic and political formations and structural changes through a series of three courses covering the Ancient, Medieval and Modern periods. In addition, students will be required to offer at least two courses on histories of countries other than India.

Apart from these compulsory courses, a large part of the programme is available as "Open Options", wherein the students may choose courses in areas other than that of one's specialization including (1) other periods of Indian history, and (2) courses in other Centres (with permission of the Faculty) in disciplines relevant to the student's area of interest and specialization. Students are strongly advised to do a language course relevant to their area of specialisation.

With the exception of two seminar courses in the fourth semester of the M.A. Programme, all courses offered by a student are lecture courses. In lecture courses fifty per cent of the evaluation depends on a student's performance in examination or tutorials during a semester, and fifty per cent on performance in the end-semester examination. The programme expects a good deal of independent writing by students as part of the curriculum. The seminar courses initiate students into the exciting and painstaking world of research, wherein they are required to present an original paper on the basis of an investigation of primary sources.

**The candidates must make their specific choice of specialisation, i.e. (Ancient History or Medieval History or Modern Indian History) with care; it is not possible to change from one stream to another.**

**Candidates applying for M.A. (History) programme are allowed to exercise only one option, i.e., Ancient History; or Medieval History; or Modern Indian History, and the option so exercised must be clearly mentioned at appropriate column in the Application Form as well as on the top of the answer-book supplied to the candidates in the Examination Hall. Candidates may please note that the answer-books carrying more than one option will be considered invalid.**

No application for a second M.A. at the Centre for Historical Studies will be entertained from those who have completed an M.A. degree from the same Centre even if the period of specialization is different.

Candidates who qualify are requested to register at the earliest so that they can take full advantage of the tutorial system. Classes normally begin from the end of July. Students are required to check with the CHS office for specific dates. Students are also requested to attend the Orientation Meeting with the Faculty. This will introduce them to the structure of courses, the system of evaluation and the rules and norms of the Centre. The date of this meeting will be put up on the notice board of the Centre by the first week of August.

Applicants are requested to note that the pattern of the CHS M.A. and M.Phil. entrance examinations may change from time to time. For further details please check the Centre for Historical Studies website <http://www.jnu.ac.in/SSS/CHS/> after February 2017.

**3. Centre for Political Studies**

The Centre is recognized as a premier centre for teaching and research in Political Science. Students who have graduated from the Centre are holding important positions in academic institutions and other walks of public life all over the world. The faculty members have a distinguished record of publications of books and articles in important national and international journals.

The Centre offers two programmes of study- MA. and M.Phil/Ph.D. The teaching and research work of the Centre covers three rubrics of political studies: (1) political philosophy and history of ideas; (2) Indian government, politics and public policy; and (3) comparative politics and international relations.

**(a) Admission to Ph.D. programme:**

The Centre for Political Studies offers admission to Ph.D. programme in the three core areas of research mentioned above.

Those who wish to apply for a research degree are expected to have a strong, detailed and well developed research proposal for a thesis that can be supervised in the Centre. In addition to fulfillment of the entry requirements, they will need to approach the subject with rigor and appropriate knowledge of the field. Candidates must submit a copy of their research proposal along with their application for admission to the Ph.D. programme.

The Ph.D. admission is not automatic but is decided case by case depending on the strength, merit, research capacity and research orientation of the candidate applying for admission.

**(b) M.Phil. / Ph.D. Programme**

The M.Phil/Ph.D. students seeking admission to the Centre are required to:

- qualify the written examination;
- Those who are selected for Viva-Voce are required to bring with them a synopsis of their research theme indicating the scope, plan and feasibility of proposed research at the time of Viva-Voce.

M.Phil. programme at the Centre consists of course work and dissertation. The M.Phil course work comprises of a combination of lectures, presentation of seminar papers and participation in discussions on work in progress. In each case academic work is designed to enable students to understand the link between concepts, theoretical formulations and empirical investigation.

For the M.Phil. programme students are required to take four courses in the first two semesters-two compulsory courses and two optional courses. The two compulsory courses are: 1) Philosophy and Methods in Social Sciences; (2) Approaches, Concepts and Methods of Political Analysis. These courses must be offered in the first semester of the M.Phil. programme.

The compulsory courses are designed to train students in the methods and techniques of research work and to equip them to use political concepts with some degree of theoretical and analytical rigour. The first course introduces students to major debates in the Philosophy of Science and Philosophy of Social Science. It also prepares them to undertake quantitative and qualitative research. The second course exposes students to concepts and approaches that are central to the study of politics. In addition to this, the students can take any two optional courses

offered by the Centre, depending upon their research interests and chosen specializations.

**(c) M.A. in Political Science**

As a degree in Political Science, the M.A. programme of the Centre focuses on the study of Political Theory/Ideas, Comparative Politics/International Relations, and Indian Politics and Public Policy. The programme is designed to - a) enhance theoretical understanding and develop methodological skills in these three branches of Political Science; (b) relate political processes with social structures and ideas; and (c) interpret institutions, policies and processes in a historical perspective. The Centre places special emphasis on the study of political developments in India and promotes theoretically informed analysis of social and political reality.

The M.A. programme consists of 16 courses, which are taught over four semesters. Of these 10 are compulsory and the remaining six are optional courses. Of the six optional courses, at least four should be chosen from a wide range of optional courses offered by the Centre and two may be from outside the Centre in the two years M.A. programme.

All compulsory courses offered by the students are lecture-based courses. However, they require students to write tutorials/term papers. In each case, fifty percent of the grade depends on the student's performance in midterm assignments and the remaining fifty percent is awarded on the basis of their performance in the end semester examination.

**4. Centre for the Study of Regional Development**

The Centre for the Study of Regional Development came into existence in the year 1971 with the mandate of evolving an inter-disciplinary teaching and research programs with a focus on the issues of regional development in India. This Centre is one of the largest Centre in the School of Social Sciences. The Centre offers postgraduate degree in Geography and M Phil/ Ph D programme which is inter-disciplinary in nature.

**(a) Admission to Ph.D. Programme**

A limited number of scholars are admitted to the Ph.D Programme with relevant eligibility/qualification [as mentioned under (C) Eligibility for admission (i) (a) (b) & (c)] in the field of Geography, Economics, Population Studies and allied/related disciplines/areas.

Candidates seeking admission to the Ph.D Programme are required to submit a research proposal on issues /problems of regional development indicating the research problem, nature, scope and objectives, theoretical and conceptual understanding, methodology and review of literature of the work the candidate proposes to undertake.

Candidates are selected by the faculty on the basis of an interview.

**(b) M. Phil/Ph. D Programme**

The Centre for the Study of Regional Development offers the M. Phil/Ph. D. programs in an interdisciplinary framework within the broad ambit of regional development and planning. While students from geography, economics population studies, and statistics are admitted in this program, the program is also open to students from any other related disciplines. The M. Phil/Ph. D. program covers diverse streams of research which contributes towards understanding of the Indian regional structure and development dynamics in space.

The teaching and research in the M. Phil and Ph. D program has been developed in a manner that can help study regional development in all its complexities. Since its formation in 1971, the

endeavor of the Centre has been to understand the plural, and multi-layered character and processes of regional development and also develop appropriate paradigms and tools of analyses. The inter disciplinary course work in the M. Phil and Ph D program covers all possible dimensions that help meet these objectives. The courses offered at the M. Phil / Ph. D level in the Centre are taught by faculty members from Economics, Geography, and Population Studies and students from all the three disciplines are advised to take these courses.

The courses that are offered include research and quantitative methodology courses, courses in applied statistics and econometrics, computer -aided cartography, data management and GIS based courses; demographic methods and applications; census, vital statistics and sources of demographic data; along with theoretical and applied courses that deal with - agrarian issues; rural development; political economy of agrarian change; natural resource base and its implications for regional development; distribution and utilization of natural resources; geomorphology and climatology; application of GIS and remote sensing in resource management; natural resource base, population, environment and sustainable development; climate change; socio-economic aspects of fertility, mortality and morbidity; settlement and human ecology; population theory and policy; women and human development; processes of urbanization and migration; labour and employment; political economy of regional development; theories of regional growth; industrial location and location theories; infrastructure and its financing; socio cultural dimensions of regionalization with special reference to ethnicity, caste, gender, linguistic and other identities; social infrastructure and development with special focus on health and education; development experience and theory and dynamics of regional policy.

The M. Phil and Ph. D students seeking admission to the Centre, at the time of viva voce, are required to bring with them a short note on their proposed research theme indicating the scope, plan and feasibility of their research. The faculty has diverse research interests covering range of themes that relate with spatial, social, economic and environmental vulnerabilities and marginalities; issues of climate change that address resources, livelihoods and institutions; issues related with demographic changes with particular focus on aging and demographic dividend; issues that explore processes of migration, urbanization, employment, deprivation and poverty; social development and outcomes; geo-spatial applications in regional development; and Globalisation and spatial differentiation. Detailed research interest of the faculty is available at [www.jnu.ac.in](http://www.jnu.ac.in)

**(c) M.A. in Geography**

The focus of the programme is on the modern concepts of Geography with special reference to problems of regional development in India. The curriculum includes theoretical, topical, and methodological courses. The courses cover geographical thought, human ecology, regional development theory, geomorphology, climatology, hydrology, economic geography, social geography, population and settlement geography. All the topical courses have emphasis on India. Issues on regional development are dealt with in courses on regional geography of India, meso regional studies, and levels of regional development in India. The methodological courses cover quantitative techniques, computer assisted cartography, GIS and remote sensing. Courses on socio-economic and physical survey

methods are an essential component of the programme for which the students are required to participate in field work which is usually organised in challenging terrain and in rural settings. Students can opt for any one of the following specialization streams in the fourth and final semester:

- a) Advanced Techniques in Geography
- b) Agricultural Geography
- c) Physical Resources and Geomorphology
- d) Population and Settlement Geography
- e) Regional Development and Planning, and
- f) Social Geography
- g) Remote Sensing and GIS

#### 5. Centre of Social Medicine & Community Health

The Centre of Social Medicine and Community Health (CSMCH) was established in order to shape and provide academic content to the discipline of public health, making it relevant to the situation in India. It was recognised that the discipline of Preventive and Social Medicine needed a paradigm shift that could only be provided if this Centre was set up outside the confines of a medical college.

Over the past 30 years, the Centre has acquired vast experience in evolving problem-oriented interdisciplinary academic programmes in public health, in addition to building an active research base. At the same time, efforts have also been made at establishing institutional links with various academic, research, policy-making and non-governmental organisations.

Under the overall objective of creating academic programmes for making health services meaningful to the people of the country, the Centre has set out as its objective the task of understanding the health problems and health needs of the Indian people. The endeavour is to understand how health problems are shaped by socio-economic factors and to examine the social structure itself, to delineate the structural constraints that contour the scope of health interventions. The task requires an inter-disciplinary approach involving disciplines such as sociology, anthropology, psychology, economics, history, political science, demography, statistics and public administration, apart from the disciplines that are traditionally included in public health. It was for this reason that the Centre was located in the School of Social Sciences. Epidemiology, health service structure, health programme design, health systems research and health policy analysis are important foci for all the programmes.

The Centre offers the following academic programmes:

1. M.Phil/Ph.D. in Social Sciences in Health. (as mentioned on page 35).
2. Master of Public Health (M.P.H.)/ Ph.D. in Public Health.
3. Ph.D. for both streams.

Both M.Phil and MPH are spread over four semesters (2 years). M.Phil students are required to undertake two semesters of course work followed by a dissertation. The MPH students are required to undertake three semesters of course work. They are additionally required to conduct a field study during the inter semester breaks and to be completed in the fourth semester. The successful completion of the prescribed course work and dissertation/field study will lead to the award of M.Phil. or M.P.H. degree. In addition to the above programmes, the Centre also admits candidates to the Ph.D. programme. The Centre may prescribe courses to the candidates admitted under the Ph.D. programme.

Courses in public health cover areas such as organization of health programmes, epidemiology,

nutrition, maternal and child health, communicable diseases, family planning, research methodology, operations research etc. Courses in social sciences cover concepts perspectives and methods relevant for public health within an interdisciplinary perspective.

During the second semester students are offered a number of optional courses. They also get an opportunity to familiarise themselves with the current issues in public health through an intensive journal club in the second semester. All students are exposed to group field work in both urban and rural areas as a part of their course work.

#### 6. Centre for the Study of Social Systems

The Centre is recognized as a premier centre for teaching and research in Sociology. This Centre has been ranked among the top 60 best departments in the world for sociology in 2014-15 by QS World Rankings. Students who have graduated from the Centre have distinguished themselves in all walks of public life. Our alumni are present in most leading institutions of higher education and research nationally and globally. Our faculty members have made their mark in the broader world of social sciences with a distinctive intellectual orientation and an illustrious record of publications.

Since its inception in 1971, the Centre has developed a distinctive approach to sociology both in terms of a plurality of theoretical and methodological orientations as well as in a variety of substantive fields of empirical enquiry. Equal focus is therefore given on the teaching of qualitative and quantitative methods on the one hand and on philosophy of methods on the other. From its very inception both teaching and research in our Centre have shown an engagement with pressing questions of development and marginalization, social movement and social justice. The CSSS is recognized as a Centre for Advanced Studies in the discipline of sociology by the UGC.

The Centre offers two programmes of study-MA and M.Phil/Ph.D. The teaching and research work of the Centre covers three aspects of sociological studies:(i) Theory and Social Thought; (ii) Methodological Orientation and Methods of Social Research; (iii) Substantive studies on different dimensions of social life. The Interdisciplinary orientation of our teaching is reflected in the structure as well as contents of the courses offered at both M.A and M.Phil Levels.

##### (a) M.A in Sociology

Teaching and research programmes of the Centre for MA are organized around studies in theories and methods, on the one hand, and analysis of structures and processes of social systems on the other. Courses at the M.A level seek to combine theoretical and methodological concerns with the study of the substantive issues relating to Indian society. Of the 16 courses offered to the M.A students, 5 are optional courses.

All courses offered to the students are lecture-based courses. However, they require students to write tutorials/term papers. In each case, fifty percent of the grades depend on the student's performance in mid-term assignments/tests and the remaining fifty percent is awarded on the basis of their performance in the end semester examination.

##### (b) M.Phil/Ph.D

The M.Phil programme at the Centre consists of course work and dissertation. It carries a total of 24 credits-16 credits for the course work and 8 credits for the Dissertation. The Course work consists of 2 compulsory papers of 4 credits each and two optional papers, also of 4 credits each. The compulsory courses are on Theoretical Orientations and on Methods of Social Research designed to expose

students to concepts and approaches that are central to sociological studies. The aim is to equip the students to use these concepts and approaches with some analytical rigour and to train students in diverse techniques of research as well as in the methodological assumptions upon which they rest.

**(c) Admission to Ph.D Programme**

Those who wish to apply for a research degree will have to submit a strong, detailed and well-developed proposal for a thesis that can be supervised in CSSS. The Ph.D admission is not automatic but is decided case by case, depending on the strength, merit and research orientation of the candidate.

**7. Centre for Studies in Science Policy**

Studies in Science Policy is an interdisciplinary field drawing upon a range of social, natural and applied sciences, engineering, and technology disciplines to enhance our understanding of the interactions between science, technology and society. The primary focus of teaching and research at the Centre is on areas relating to science and technology policy analysis; sociological and historical perspectives in science and technology; economics of technological change, sustainability, innovation studies, technology futures analysis, gender relations, intellectual property rights, environment and agro-foods.

The Centre is open to students for admission from a variety of social, natural and applied sciences, technology, engineering, medicine, law and management disciplines. The Centre offers M.Phil/Ph.D. and Ph.D. programmes.

**a) Admission to Ph.D. Programme**

Ph.D. programme is open to scholars who have completed an M.Phil. or equivalent degree in science policy studies or related areas, or have demonstrated their research capabilities by way of equivalent published work in any area related to science policy studies. The Centre strongly recommends its Ph.D. scholars to audit the courses offered for M.Phil. students during the first two semesters while pursuing their doctoral research.

Scholars seeking admission to Ph.D. programme are required to bring with them a research proposal of 1800 to 2000 words at the time of interview. The research proposal is expected to indicate, a research theme, a statement of the research problem, objective, research questions, methodology and a brief review of literature along with a list of references.

**b) M.Phil./Ph.D. Programme**

The M.Phil./Ph.D. Programme in Studies in Science Policy requires completion of 24 credits in four semesters. The coursework carries 16 credits and dissertation of 8 credits. The course work consists of 4 courses (4 credits each): three compulsory and one optional. Students in the programme may continue to pursue Ph.D. after completion of M.Phil. course work (in two semesters) after securing required grade or after the successful completion of both course work and M.Phil. dissertation (in four semesters).

Students seeking admission in M.Phil./Ph.D. programme are required to bring with them a research proposal of 1000 to 1500 words. The research proposal is expected to indicate a research theme, a statement of the research problem, objectives, research questions, methodology and a brief review of literature along with a list of references.

**8. Centre for Philosophy**

The Centre was set up in 1999 in the School of Social Sciences. For a long time, the School and the University had felt the urgent need for an independent Centre for Philosophy. This was driven by the understanding that Philosophy must have a central

place in an institution of higher learning and research. Further, that an engagement with Philosophy would strengthen the ongoing research in the various fields of knowledge in the University. It was this concern that led to the creation of the Centre for Philosophy in the School of Social Sciences.

The academic programmes of the Centre are intended to provide students with a deeper and more rigorous foundation in the discipline in Philosophy while simultaneously encouraging an engagement with substantive issues and contemporary concerns. The teaching and research work is designed to train students to read and engage critically with original philosophical texts, both classical and contemporary, with a high degree of methodological awareness; and to reflect systematically on concepts and problems central to Philosophy. The primary purpose of this is to create a body of scholarly work that can yield newer and richer reflections on philosophical problems and debates. The Centre would like to encourage research students to study issues and concerns in Philosophy cutting across diverse traditions and narrow disciplinary boundaries. It would also like students to move from exegesis to a problem-oriented study where philosophical reflection addresses concerns of present day society and polity.

The Centre offers a admission to Ph.D. programme, M.Phil./Ph.D. and M.A. programme.

**(i) Admission to Ph.D. Programme:** The Centre welcomes applications in major areas of Philosophy, which is of interest to the faculty members of the Centre, such as, Ethics, Epistemology, Metaphysics, Social and Political Philosophy, Philosophies of Language, Mind and Action, Philosophy of Social Sciences, Indian Philosophy and Comparative Philosophy.

Applicants for the programme are expected to submit a well articulated research proposal (between 2000-2500 words) for a doctoral theses that can be supervised in the Centre. The candidates are required to approach the area of their research with adequate understanding of the contemporary discussions in the field.

**(ii) M.Phil/Ph.D.:** The M.Phil. programme carries a total of 24 credits - 16 credits for the course work and 8 credits for the Dissertation. The course work consists of 2 compulsory papers of 4 credits each and 2 optional papers, also of 4 credits each. Every student is required to take two compulsory courses in the first semester of the programme, and they must successfully complete the entire course work in the first year of admission.

The two compulsory courses are: (i) Concepts in Philosophy, and (ii) Philosophical Methods. The aim of these courses is to critically engage with some of the core concepts of philosophy and to systematically introduce students to methods of philosophical enquiry by an in depth study of identified essential texts in Philosophy. In addition to this, the Centre offers a range of optional papers in the fields of Ethics and Moral Philosophy, Epistemology and Metaphysics, Philosophy of Action, Philosophy of Language, Philosophy of Culture, Philosophy of Mind and Consciousness, Philosophy of Social Science Studies in Analytical Philosophy, and Phenomenology and Existentialism. The choice of the two optional courses will be determined by the research interest and field of specialization selected by the student.

The course work for M.Phil. will consist of a combination of lectures, preparation and presentations of seminar papers, and participation in discussions on work in progress.

The candidate at the time of viva-voce is expected to bring a research proposal of about 1000-1500 words.

(iii) **M.A. programme:** As a degree in Philosophy, the M.A. Programme of the Center focuses on the study of the distinctive character of philosophical inquiry, debates in metaphysics, epistemology, logic and ethics. Since philosophical inquiry is not isolated but rooted in the basic questions of other academic disciplines and social life, students will be encouraged to comprehend the interdisciplinary and foundational character of philosophical studies. They will also be trained to identify and appreciate the sources of philosophical questions and puzzles in our reflections on language, thought, knowledge and values.

The programme will review and attempt to overcome the received binaries and dichotomies such as study of philosophy in terms of geographical and civilizational divisions, intra-disciplinary segregations like analytic philosophy and phenomenology, metaphysics and epistemology, moral and social philosophy, etc.

The programme aims to develop philosophical aptitude and analytical skills among the students through a rigorous training. An intensive study of philosophical texts for a critical appraisal of concepts and arguments used by philosophers, and writing of philosophical essays will be an integral part of the programme.

The two year M.A Programme consists of 16 courses with 10 compulsory and 06 Optional courses of 04 credits each. These are Philosophical Studies: Problems and Perspectives; Epistemology and Metaphysics: Issues and Problems of Knowing and Being; Moral and Social Philosophy; Logic and Scientific Methods; Philosophy of Social Sciences; Philosophy of Language; Readings in 20<sup>th</sup> Century Indian Philosophy, Readings in Analytic Philosophy and Phenomenology; Seminar Course: Reading a Philosopher and Seminar Course: Project on a Philosophical Theme. Out of the 06 optional courses at least 04 should be chosen from the courses offered by the Centre.

All courses are lecture and seminar based. Students are required to write term papers/ tutorial assignments and give seminar presentations in each course. 50% of the grade depends on the student's performance in mid semester assignments and the remaining 50% is awarded on the basis of their performance in the end semester examination.

#### 9. **Zakir Husain Centre for Educational Studies**

The Centre offers a programme of study leading to the degree of M.Phil. in Educational Studies and Ph.D. in Sociology of Education, Social Psychology of Education, History of Education and Economics of Education. The Centre focuses on the study of education from social science perspectives. Its teaching and research programmes are structured around social science disciplines of Economics, History, Sociology and Psychology. Accordingly, there are four streams of research and the curriculum for the M.Phil./Ph.D. programme is geared around them.

**Economics of Education:** Students are introduced to the economic issues in education both from the perspectives of theory as well as applied research for handling and analyzing of problems related to human resource development. Wider issues of education from the development economics perspective receive special attention. Other topics include investment decisions in education, financing of education, applied economics of education, social choice dilemmas, education and labour market, educational inequality, educational policy issues, migration of knowledge, workers, trade in education services and WTO, etc.

**History of Education:** The research programme in the history of education at the Centre has evolved into three distinct areas. The first one deals with the growth of modern schools, access to these schools in terms of gender and caste, the emergence of the system of state and private funding, curriculum, text books and educational debates during British rule in India. The second dimension has to do with the evolution of the system of higher education, again from the eve of colonialism into contemporary times. The focus is on the social history of higher education, with an emphasis on issues of the globalization and naturalization of models of the university, and the transformation of knowledge ideals in changing political and socio-economic contexts. The attempt is to study historically the impact of the globalization of the university, on the one hand and the formation of academic disciplines within the university and research institutes on the other. And finally, a third area has to do with the history of science and technology in India, where in addition to looking at the philosophical, and social dimensions of the history of science education, research also focuses upon contexts, policies, and strategies of science communication and popularization.

**Social Psychology of Education:** The co-constitutive nature of cultural-historical processes and the psychological phenomena is problematized. The existing theoretical traditions within Psychology and their transformative roles in bringing about changes in the educational processes are examined. Areas such as cultural roots of learning with specific emphasis on language and mathematics learning, everyday and scientific cognition, personality, motivation, social cognition, inter-group dynamics and identity processes, etc. and their implications for curricular and pedagogic practices in a multicultural-multilingual society are analysed.

**Sociology of Education:** Special emphasis is placed on issues relating to diversity, equity and social justice, structure and processes of schooling and higher education, social and educational policy, social impact of globalization and privatization of the educational systems, and other contemporary concerns of education in the 'developing' world. Basic concepts and approaches in sociology, linkages of education with socialization, stratification, social change and mobility, social and educational inequality, etc. are some of the areas discussed from multiple theoretical standpoints in the sociology of education. Classroom teaching focuses on a comparative analysis of diverse social contexts within India and also other countries.

The scheme of teaching is as follows:

- a. A compulsory core course in Research Methods in Social Sciences as applied to Educational Studies, focusing on quantitative and qualitative techniques of data collection.
- b. A compulsory course on Education in India: Social Science Perspectives focusing on various dimensions of the Indian education system.
- c. Introductory and advanced level courses in Economics of Education, Sociology of Education, History of Education and Social Psychology of Education are offered in the first and second semesters.
- d. A basket of optional courses is also offered in the second semester and students have to opt for one of them. Courses include Economic Policy in Education; Educational Thought in Modern India; Changing Conceptions of the Modern University; Education and Diversity in Multicultural Societies; Culture, Cognition and

Mathematics, International Migration and Skilled Diasporas; Multilingualism and Education; Cultural Psychology; and Gender and Education.

- e. A dissertation on a selected theme in one's specialization/stream is to be completed over the third and the fourth semesters.
- f. **Candidates who clear the entrance examination for M.Phil./Ph.D. programme should bring a brief research proposal of 1500 words at the time of the Viva-Voce. Those applying for Ph.D. should send a detailed research proposal of at least 3500 words along with the application, indicating the scope of the problem chosen, preliminary review of literature, perspectives (theoretical and empirical) and methodology seen as relevant to the proposed study.**

The UGC has accorded the Centre the status Centre for Advanced Study (CAS). Earlier, the Centre was also accorded the Assistance for Strengthening of Infrastructure for Humanities and Social Sciences (ASIHSS) and Department of Special Assistance (DSA).

#### 10. Centre for Women's Studies

The Centre undertakes both innovative, and intensive, interdisciplinary research and teaching, besides providing the space for creating a vibrant community of feminist academics, students, activists and artists concerned with issues of gender, and wider issues of power in society. The Centre regularly organizes lectures, seminars, workshops and film screenings on a wide range of subjects.

Currently, the Centre offers a Ph.D and M.Phil./ Ph.D. in Women's Studies. In addition, the Centre also offers Optional courses at the Master's level that are open to students not only in Social Sciences but also to those enrolled in other Schools and Centres of the University. In these, students learn to examine the historical, social, political, economic, and cultural dimensions of gender, while gaining a more complex understanding of the construction of gender and its intersection with other categories of difference, power, and inequality.

##### (a) Admission to Ph.D. programme

The Centre welcomes applications in all subjects of Social Sciences & Humanities. Ph.D. scholars will be required to complete course work in the first year after admission. Ph.D. candidates seeking admission to the Programme are required to submit a synopsis of roughly 1000 words on a research theme of their interest, indicating its scope, statement of the problem, methods and a preliminary review of literature.

##### b) M.Phil./Ph.D.

###### STRUCTURE:-

- i) 16 credits in the first year in which period the student will do course work and another 10 credits in the second year, when she/he will write the dissertation in a chosen topic in the field. Therefore, in total the M.Phil. work will be 26 credits.
- ii) Each Student will do one compulsory course. These are "Feminist Theory and Social Research". This is common for all students. In addition, they have a choice currently of seven papers of Four credits each, from which they may choose three. These are in the fields of Labour, Work, Politics, Religion and Violence & Visuality, Ethnography and debates in sexuality.

The course work for M.Phil. will consist of a combination of lectures, preparation and presentations of seminar papers, and participation in discussions on work in progress.

The candidate at the time of viva-voce is expected to bring a research proposal of about 1000-1500 words.

#### 11. Centre for the study of Discrimination and Exclusion (CSDE):

The Centre for the Study of Discrimination and Exclusion was initially launched in 2005 as a programme to document and analyse discrimination and exclusion in Indian society. Gradually it was expanded to study the structures and processes of exclusion and discrimination. The focus was primarily on discrimination and exclusion on the basis of caste, tribe and religion that barred social groups from full participation in the economic, social, political and cultural life of Indian society. It was proposed that such a Centre would be able to bring together the comparative and interdisciplinary framework necessary for a teaching and research programme that would study discrimination and exclusion given its diverse structural roots and varied forms and manifestations in different social and economic spheres. Presently the thrust of the centre is on study of Scheduled castes, Scheduled tribes and minorities keeping in mind intersectionalities such as class, gender, region and so on in Indian society.

During the last seven years, the CSDE has expanded its institutional base and resources by taking advantage of the UGC Scheme for the establishment of Centres for Study of Social Exclusion and Inclusive Policy (CSSEIP) The Centre focuses on a number of thematic issues such as histories from the margins; agrarian change and exclusions; Nations and borders; minorities; ethnicities; political economy of discrimination, power and discrimination, marginalisations, social policies, development and exclusion etc.

Students from all social science disciplines can apply for admission to the Centre.

The Centre offers the following courses:

##### (a) Admission to Ph.D. programme

The Centre offers admission to its Ph.D. programme. Candidates shall have to appear for an entrance examination followed by an interview. Candidates seeking admission to the Ph.D. programme should demonstrate their academic capability by preparing a well developed research proposal of roughly 2000 words, drawing out a specific theme, statement of the problem, literature review and relevant research methodology.

In addition to the essential qualifications as prescribed by JNU for the Ph.D. programme, the candidates should have awarded M.Phil degree in any area of Social Sciences or at least research experience of 2 years in a reputed institution with research publications of commensurate standard.

##### (b) M.Phil / Ph.D. programme

Admission to the integrated M.Phil./Ph.D. programme is based on an entrance test and viva-voce

examination. The candidates short-listed after the written examination are expected to bring a research proposal of about 1000-1500 words at the time of viva-voce.

The M.Phil programme carries a total of 32 credits (16 credits for course work and 16 credits for the Dissertation) and has to be completed in a maximum of four semesters. The course work consists of compulsory and optional papers and consists of a combination of lectures, preparation and presentation of seminar papers, and participation in discussions on work in progress. The students are required to finish the entire course-work in the first year of the M.Phil. Admission to Ph.D. programme is not automatic and is governed by prescribed university norms.

## 12. Centre for Informal Sector and Labour Studies

Centre for Informal Sector and Labour Studies is one of the newly created Centres with the objective of studying the informal sector which includes non-agricultural workers, agricultural labourers, peasants, fishermen, craftsmen, street vendors, domestic work etc. Since the overwhelming bulk of the working people are located in the informal sector which is also termed as the "Unorganized Sector", the focus of teaching and research in the Centre is on labour processes and working conditions in the unorganised sector in the contemporary world, particularly the developing countries. The Centre offers the following programmes:

### (i) Admission to Ph.D. Programme

The Ph.D programme focuses on interdisciplinary research on Indian informal sector and labour scenario. The programme encourages to work on themes such as—Political Economy of State, Development and Underdevelopment in the contemporary world, Labour History, Globalization and the changing forms of Labour, Global Production Systems, Informalisation in various sectors, Labour Market, Forms of Employment, Poverty, Migration, Urbanisation, Labour Rights and Regulation, Workers' Organizations and Politics, Trade Unions, Resistance, Peasant Production, Non-farm Economy, Agrarian Change and Rural Development, Political Economy of Care, Discrimination on the basis of Caste, Gender and Community, Common Property Resources, Public Policies in the Unorganised Sector, and Sustainable Development. The objective of the programme is to enable students to understand the linkages between the formal and the informal sectors and between theory and empirical investigations in research work.

### (ii) M.A. in Development and Labour Studies

MA in Development and Labour Studies focuses on contemporary themes related to the informal sector and labour. Its main objectives are – (i) providing an interdisciplinary perspective on the contemporary themes and issues on informality and labour drawing from the disciplines of history, economics, sociology and political science, (ii) providing basic theoretical and empirical training to undertake in depth analysis of the structural changes and public policy challenges that confront the labour in the informal sector in the contemporary world.

The M.A. programme consists of sixteen courses which are taught over four semesters. Of these eight compulsory courses are spread over the first two semesters. These compulsory courses cover broad thematic areas which provide students with an overview of the subject and basic theoretical knowledge of the structural factors that impact on labour processes and the growing informalization. Eight Optional Courses will be offered in the third and

the fourth semesters. Out of the eight Optional Courses, students will have to do seven Lecture Courses (up to a maximum of three can be chosen from outside the Centre) and one Seminar Course in the third and fourth semesters. The optional courses will focus on specific themes and problems to allow students to undertake in-depth analysis of recent debates and contemporary areas of research in labour processes and unorganised sector. Seminar Courses will focus on introducing students to original research in various themes of informal sector and labour.

## 13. Centre for Media Studies

The Centre for Media Studies (CMS) is academic location for the development of a critical understanding about media and its engagement with society, culture, polity and economy. The Centre's research concerns include the history of media, its functioning in different forms, i.e., electronic, visual, print, etc., in diverse socio-cultural and political milieu. The thematic areas of research and teaching in the Centre include:

1. Histories of media
2. Political economy of Media
3. Media and issues of Language
4. Media, democracy, and dimensions of rights and justice
5. Violence and media
6. Media, technologies and cultural industries
7. Media and the nature of connectivities
8. Visual culture

(a) **Admission to PhD programme:** The Centre for Media studies offers a PhD programme in the broad areas mentioned above. Those who wish to apply for admission in the PhD programme should fulfill all the entry level requirements laid down by the University. They should have a two year M.Phil degree in social sciences/ Humanities /Media and cultural studies from a recognized institution. The admission will depend on the strength of the research proposal, the research potential of the proposed field of study and its interdisciplinary relevance. Candidates are required to submit a synopsis of about 1000-1500 words on a research theme which they intend to study.

### (b) M.Phil/Ph.D.

The Centre for Media Studies will be offering an integrated MPhil/PhD programme from 2015. Students admitted into the programme will study four courses in the first two semesters of which two will be compulsory courses to be studied by all students. The two compulsory courses are: 1) Media Research Methods and (2) Media Theory. Students can choose two optional courses from a basket of courses offered by the Centre according to their research interests and specialization. The MPhil programme carries a total of 24 credits of which 16 credits are for the course work that the student will do in the first year, and 8 credits for the Dissertation, which will be written in the following year.

The course work for MPhil will have a combination of lectures, tutorials, preparation and presentation of seminar papers, book reviews, class room tests and participation in discussions on work in progress.

For admission in the MPhil/PhD programme students are required to appear in a written entrance examination, the dates of which will be notified on the University website. Students will be shortlisted for a viva-voce on the basis of their scores in the entrance examination, where they will be expected to bring a research proposal of about 1000-1500 words.

## 14. North East India Studies Programme

North East Indian Studies Programme (NEISP) was initially launched as a programme in 2006 to promote

teaching and research on North East Indian on an interdisciplinary framework.

The main thrust of the Programme is to undertake critical research and build up a body of scholarly works on the region and its neighbouring areas. It aims not only to introduce the scholars and students to the diverse and complex issues of the North East but also train students in multi-disciplinary approaches to conduct research on social, historical, cultural, political, economic and environmental issues of the region. It also engages in comparative research which covers themes connecting local and global issues and their wider implications.

The faculty research interests include studies on the regions' development and development challenges, politics, culture, history, society, economy, and ecology. It includes areas such as Development Studies; Politics, Institutions and Governance; Frontiers and Borderlands; Mobility and Circulation of Goods and People; Literature and Literary traditions; Translations Studies; Migration and Urbanization; Tribes, Ethnicity and Religion; Culture and Cultural movements; Regional Disparities, Conflicts, Protest Movements and Regional Co-operation.

An important initiative of the programme is also to engage with comparative research on tribal studies, focusing at the intra-region and inter-regional level, both nationally and globally. This initiative in particular is undertaken through the Chair Professor of Tribal Studies.

In addition, the Programme aims to serve as a resource base for scholars from diverse parts of India and abroad and be a platform that brings academics, administrators, policy makers, civil society actors and activists to dialogue on the concerns and challenges pertaining to the region.

#### **Admission to Ph.D. Programme**

Candidates seeking admission to the Ph.D Programme are required to submit a comprehensive research proposal indicating the research problem, nature and scope, theoretical and conceptual understanding, methodology and review of literature of the work the candidate proposes to undertake. They are also expected to have initial research experience and sound knowledge on the region.

The essential qualifications are as prescribed by JNU for the Ph.D Programme.

#### **M.Phil/Ph.D:**

North East Indian Studies Programme is offering M.Phil/Ph.D programme from 2016. The M.Phil programme aims at enabling students to have a wider and holistic understanding of North East India and its neighbouring areas. The programme is interdisciplinary in nature and brings into focus the importance of understanding the specificities of the region as well as its connections to wider historical processes and contemporary realities.

The structure of the M.Phil programme is as follows:

- i. The total credits for the entire M.Phil programme is 24. It will consist of two semesters of coursework, followed by two semesters of dissertation writing. The total credits for coursework is 16. The dissertation with 8 credits will be written in the last two semesters. The coursework will consist of lectures, seminar presentations and participation in class discussions.
- ii. Each semester will comprise of one core course and one optional course. The core courses are "Understanding North East India" and "Research Methodology".
- iii. The optional courses are interdisciplinary. They cover themes which deal with a range of focused areas on

the region. Students are to choose two optional courses out of the list provided by the Centre.

Admission to the M.Phil/PhD is on the basis of written examination (70 per cent) and a viva voce examination (30 per cent). Candidates seeking admission to the programme are required to bring a synopsis of their planned research theme (1000 – 1500 words) and have some idea of its scope and viability.

#### **15. Group of Adult Education**

The Group of Adult Education (GAE) conducts research, information and documentation, teaching and outreach programmes in the area of both the formal and non-formal education. The main thrust areas include 'literacy studies' (e.g. basic literacy, adult literacy, digital literacy, financial literacy, consumer literacy, legal literacy, environmental literacy, health literacy, family literacy, functional literacy, media literacy, and citizenship literacy), adult education, lifelong learning, community education, development education, citizenship education, vocational, education, sustainable livelihoods education, social entrepreneurship education and continuing education in India and abroad. The GAE also focuses on problems of contemporary youth and their lifestyles and the impact of globalization and market practices on the local communities and society with special emphasis on consumer rights and their public awareness. By linking education research, policy and practice in all these areas, GAE makes a special contribution to enhancing access to learning and improving professionalism in social and educational sectors.

Presently, the GAE has faculty members from the disciplines of education, economics, history, political science and sociology. It offers optional course (including one on research methodology) which are credited by students across other Centers and School in the University.

The Group is offering PhD programme for students of social sciences, humanities, arts and media studies and for professionals engaged in development and social sectors.

**M.Phil/Ph.D.**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Guidelines/Course outline*	Main and Allied subjects for purpose of Eligibility for admission to M.Phil./Ph.D. and MPH programme of study in the School of Social Sciences	Paper will be objective/ subjective/ both
1	Centre for Economic Studies and Planning (CESP)	Economics- ECOP (136)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		<b>Viva – voce</b>	The applicants for the M.Phil./Ph.D. programme will be examined in the topics covered by a standard M.A. Economics programme. These would broadly include Micro-economics; Macro-economics; Economic Development; Indian Economy and Statistical and Mathematical Methods in Economics. The M.Phil. written test (total marks: 70) will be a combination of multiple choice questions (with negative marking for wrong answers) and short/long/essay questions.	<b>Main:</b> Economics <b>Allied:</b> History, Political Science and Sociology, Mathematics and Statistics.	<b>For detail please check JNU website</b>
2	Centre for Historical Studies (CHS)	Modern History- MODP (137)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.			Detailed knowledge of Indian History adequate for pursuing research.	<b>Main:</b> History <b>Allied subjects</b> - Political Science, Economics, Sociology and Geography.	
3		Medieval History- MEDP (138)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.					
4		Ancient History- ANCP (139)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.					
5	Centre for Political Studies (CPS)	Political Science- POLP (140)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks			Applicants for the M.Phil. programme will be examined for their analytical ability in topics covered by an M.A programme in Political Sciences in a written test (total marks:70) and an oral interview. These would broadly include History of Political Ideas, Indian Politics (Institutions, Processes and Policies), International Relations and Comparative Politics.  Those who are selected for Viva-Voce (oral interview) are required to bring with them a synopsis of their research theme indicating the scope, plan and feasibility of proposed research at the time of Viva-Voce.	<b>Main:</b> Political Science <b>Allied Subjects</b> - All other Social Science Subjects.	
6		Population Studies- POPP (141)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.	P.G. holders of AYUSH related subjects are also eligible to apply.		M.Phil./Ph.D. programme in the Centre for the Study of Regional Development has three streams namely Geography, Population and Economics. Entrance Examination for each of the three streams will be held separately on different date/session. Candidate may choose to apply for one or more streams.  <b>(i) Regional Development: Geography (Code : GEO)</b> This part of question paper will consist of two units:  <b>Unit-I</b> Short objective questions on general principles of physical and human geography and the concept of regional development.  <b>Unit II</b> Long questions concerning the following sub-fields in	<b>Main:</b> Geography, Population Studies and Economics <b>Allied Subjects</b> - All other Social Science Subjects.	

7	Centre for the Study of Regional Development (CSRSD)	Geography- GEOP (142)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		<p>Geography:</p> <p><b>1. Physical Geography:</b> Geomorphology, Oceanography, Climatology, Climate change, Hydrology, Biogeography, Ecosystems, Natural Resources and Natural Disasters (with special reference to India)</p> <p><b>2. Human Geography:</b> Population distribution and growth: human settlements, Urbanization, migration; rural and agricultural geography; Spatial structure and temporal trends of economic activity; Social formation and spatial organization of social groups and communities, tourism; (with special reference to India)</p> <p><b>3. Recent trends in geographical thought.</b></p> <p><b>4. Regional Development:</b> Concepts, strategies of regional development, regional imbalances and levels of regional development in India.</p> <p><b>5. Methods:</b> Cartographic methods; descriptive statistics; and sampling techniques; correlation and regression analysis, tests of significance, geographical information system, Remote sensing, and GPS.</p> <p><b>(ii) Regional Development: Population Studies (Code : POP)</b> Nature and scope of population studies; sources of demographic data; population growth, distribution, and density; population composition; components of population dynamics namely fertility, mortality and migration; Population growth in relation to economic and social development. India's demographic change and dividend. India's population policy and family planning programme, population theories, Demographic methods (may need the use of scientific calculator), Population, environment and development, Urbanization, Human habitat, Human ecology, Food security, Programs related to Population Health and Development. Sustainable Development Goals.</p> <p><b>(iii) Regional Development: Economics (Code : ECN)</b> The question paper will examine students (a) about economics theory and development theory (at the Masters level); (b) their awareness about basic issues in Indian economy around themes like poverty, inequality, employment, banking, public finance, industry, agriculture, trade etc; (c) their capacity to reflect on challenges of India's development and policy choices made over the years to address those challenges and (d) Basic statistics and quantitative techniques.</p>	
8		Economics- ECNP (143)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		<p>There are two separate question papers one for M.Phil./Ph.D. and another for MPH and carry 70 marks each. These examination are scheduled on two different dates. They consist of short notes and essay-type questions.</p> <p><b>M.Phil./Ph.D. programme in Social Science in Health (Code : CSM):</b> The questions cover the following areas: i) Master's level Social Science disciplines. ii) Application of Social Sciences to social problems. iii) Health and Population Problems and Programmes related to them.</p>	
9	Centre of Social Medicine and Community Health (CSMCH)	Social Sciences in Health- CSMP (144)	Masters degree in social sciences or Humanities with at least 55% marks or Master Degree in Sciences and Technology with at least 55% marks.		<p><b>Main: Social Sciences/Humanities subjects</b> - Sociology, Psychology, Anthropology, Economics, Political Science, History, Social Work, Geography, Population Studies, Public Administration, Communication, Humanities, Management and Rural Development.</p> <p><b>Science and Technology subjects</b> - Applied Health Sciences and Technology, Nutrition.</p>	
10	Centre for the Study of Social Systems (CSSS)	Sociology- SOCP (146)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		<p>1. Major Theoretical Orientations in Sociology such as Structural Functionalism. Structuralism, Symbolic Interactionism, Phenomenology, Marxism, Post - modernism. 2. Methods in social sciences and social research techniques 3. Processes of social change and development in a comparative and cross cultural perspective</p> <p><b>Main: Sociology Allied Subjects</b> - Social Anthropology, Political Science, Economics, Psychology, History, Public Administration, Geography, Philosophy, Socio-Linguistics and any other Social Science discipline.</p>	
11	Zakir Husain Centre	Educational Studies-	Masters degree in the subject concerned with at least 55%		<p>The written test is intended to evaluate the</p> <p><b>Main:</b> Economics, History,</p>	

	for Science Policy (ZHCSPP)	EDUP (147)	marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		understanding of basic concepts and theories in the fields of Sociology/Economics/History/Psychology. The aptitude for research in education and the capacity for analysis will also be tested. The question paper is divided into two parts. The first part is meant for all candidates. The second part has five sections : four sections corresponding to questions relating to the four fields of study mentioned above and the fifth section comprising questions of general interest. <b>A candidate is expected to answer questions from only one of these five sections.</b>	Psychology, and Sociology. <b>Allied Subjects</b> - (i) Education-this should be two year's Masters programme and not M.Ed., which is only a nine months/one year programme, Political Science, Philosophy, Social Anthropology, Geography, and other Social Science (including Socio-linguistics, Child Development and Social Work.). (ii) Other Sciences and Humanities.
12	Centre for Studies in Science Policy (CSSP)	Studies in Science Policy-SSPP (148)	Master's degree in Social Science or Humanities or Law or Management with 55% marks or Master's degree in Natural Sciences or Bachelor's degree in Engineering or Technology or Medicine with 60% marks.		The M.Phil. admission test will have two components. A written test (70%) and an oral interview (30%).  The written test is intended to evaluate the candidate's general awareness in the following areas: (i) Some basic concepts and perspectives in political science, sociology, economics, history, environment and development studies. It is advisable to study Robert K Merton and Thomas Kuhn (sociology of science); Schumpeter and others for economics of technical change; and some basic understanding of history of science in India. ii) Impact of science and technology on Indian society and emerging issues of S&T such as Intellectual Property Rights; Biodiversity; Environment Regulation and Ethics etc; Green, White and Blue revolutions and transformation in society.  iii) Development of science and technology in India in a comparative perspective with other countries such as USA, W.Europe, Japan, China and East Asia; iv) Socio-economic Social relevance of science and technology in India (poverty alleviation, industrialization, employment, human resource development, empowerment through science and technology processes and mechanisms); v) Understanding of science and society issues in the contemporary period involving issues such as ICT, bio and nanotechnology revolutions, environment and society, new technologies and questions of ethics and equity etc. vi) Knowledge about science and technology policy issues related to S&T organisations, funding, etc.	<b>Main:</b> Social Sciences and Humanities <b>Allied Subjects</b> - Law and Management Science Subjects -Natural Sciences, Engineering, Technology and Medicine.
13	Centre for Philosophy (CP)	Philosophy- SPHP (149)	Masters degree in the subject concerned with at least 55% marks; or Master's degree in allied subjects or Humanities with at least 55% marks; or Masters degree in Natural Sciences with at least 60% marks.		The applicants for the M.Phil. /Ph.D. programme will be examined in the themes and issues covered in a standard M.A. Philosophy course. The candidates will be tested for their in-depth understanding of philosophical issues, methods and texts. They are expected to be familiar with the debates in contemporary philosophy, and relation of philosophy with other academic discipline.	<b>Main:</b> Philosophy <b>Allied Subjects</b> - Social Sciences, Humanities, Natural Sciences & Technology
14	Centre for Women Studies (CWS)	Women Studies- WSPP (176)	Master's degree in Social Science or Humanities or Law with at least 55% marks.		Applicants for the M.Phil. programme will be examined for their understanding and analytical ability in a broad range of issues concerning gender. An applicant should be aware of both contemporary politics, scholarly Literature in the field, and ongoing debates. In addition, a knowledge of historiographical changes in the field will be useful.  The M.Phil. entrance test will have two component parts – a written test (70% marks) and an oral interview.	<b>Main:</b> All Social Sciences & Humanities subjects including Political Science, History, Sociology, Anthropology, Economics, Geography, Education, Psychology, Law, Literature, Arts & Aesthetics, Philosophy.
15	Centre for the Study of Discrimination and Exclusion (CSDE)	Discrimination and Exclusion Studies- SDEP (152)	Masters degree in main and/or in allied subjects with at least 55% marks.		Applicants for the M.Phil. programme will be examined for their understanding and analytical ability in a broad range of issues concerning discrimination and exclusion. An applicant should be aware of ongoing debates in contemporary society, politics and economy as well as, existing scholarship in the field. In addition, knowledge of history relating to marginalization of castes and tribes will be useful.  The M.Phil. entrance test will have two component parts – an entrance test and an interview.	<b>Main:</b> Political Science, History, Sociology, Anthropology, Economics, Geography, Education, Law <b>Allied Subjects:</b> Gender Studies, Dalit, Tribal Studies, Cultural Studies and Development Studies
16	Centre for Media Studies (CMS)	Media Studies- CMSP (173)	Masters degree in Social Sciences or Humanities or Law or Cultural Studies or Media Studies with at least 55% marks.		Applicants for the M.Phil. programme will be examined on the basis of their analytical ability in addressing a broad range of issues pertaining to media studies. They	<b>Main Subject:</b> All social sciences and humanities subjects including Media Studies, Cultural Studies,

					are expected to be familiar with the contemporary debates in the field of study, technological changes, and cultural and political economy of media. In addition, a brief understanding of key media theories or schools of thought will be useful. The M.Phil. admission test will have two components consisting of a written test (70%) and an oral interview (30%), respectively.	Women's Studies, Political Science, History, Sociology, Philosophy, Anthropology, Economics, Law, Literature, Arts & Aesthetics.
17	North East India Studies Programme (NEISP)	North East India Studies- NESP (175)	Masters degree in Social Sciences or Humanities or Law or International Studies or Arts and Aesthetic or Environmental Studies with at least 55% marks or M.Sc in Natural Sciences with at least 60% marks.		Applicants for the M.Phil programme will be examined for their understanding and analytical ability in a broad range of issues concerning North East India and its neighboring areas. An applicant should be aware of ongoing debates in contemporary society, politics, economy, history, ecology, development, governance and culture, as well as existing scholarship pertaining to the region. In addition, a brief understanding of general theories or schools of thought in the above mentioned areas will be useful. The M.Phil entrance test will have two component parts: a written test (70 per cent) and an oral interview (30 per cent).	

\*The entrance exam question paper would be prepared as per UGC Regulations 2016

<b>MPH/Ph.D</b>								
Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Guidelines/Course outline	Main and Allied subjects for purpose of Eligibility for admission to M.Phil./Ph.D. and MPH/Ph.D. programme of study in the School of Social Sciences	Paper will be objective/ subjective/ both
1	Centre of Social Medicine and Community Health (CSMCH)	Master of Public Health - MPHP (145)	MBBS degree with at least 55% marks or M.Sc. Degree in nursing with at least 55% marks.	P.G. holders of AYUSH related subjects are also eligible to apply.	Viva-voce	The written test (70 marks) course is of short notes and essay type questions. The questions cover the following areas: h) Preventive and Social Medicine as taught in MBBS and M.Sc Nursing. ii) Community health problems and programmes in India. iii) Community health nursing. iv) Social dimensions of community health.  <b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>	<b>Main Subject</b> - Medicine and Nursing (Allopathic) <b>Allied Subjects</b> - None	<b>For detail please check JNU website</b>

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional Eligibility	Viva/Non Viva	Guidelines/Course outline	Paper will be objective/ subjective/ both	
1	Group of Adult Education (GAE) (Only Ph.D.)	Adult Education- GAEH (883)	<p>Only those candidates shall be considered for admission to the Ph. D. Programme who have —</p> <p>(a) obtained 2 years M.Phil. degree of a recognized University/Institution (with dissertation/seminar/Viva) is essential or one year M.Phil. with additional one year research experience of a recognized University/ Institution, and one publication</p> <p>OR</p> <p>(a) at least two years research experience after Master's degree/BE/B.Tech. in reputed institutions with research publication(s) comparable to M.Phil. standard. In addition, they should have obtained Master's Degree/BE/B.Tech. with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale.</p> <p>(c) However, the Centre/School reserves the right to adopt additional criteria for shortlisting of the applications.</p>	In addition to (a) and (b) in C(i) above, those candidates who have two years (full-time) work/professional experience in the area of NGO sector, development and social sectors, governmental sector, main 'literacy studies' or work areas (such as basic literacy, adult literacy, consumer literacy, legal literacy, environmental literacy, health literacy, media literacy, citizenship literacy) with research publication(s) comparable to M.Phil. standard are also eligible for the PhD programme. In this case, such candidates must have obtained their Master's degree/BE/B.Tech. with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale from a recognized university.	<b>Viva – voce</b>	<p>The entrance exam question paper would be prepared as per UGC Regulations 2016</p> <p>For detail please check JNU website</p>	<b>For detail please check JNU website</b>	
2	Centre for Informal Sector & Labour Studies (CISL)	Informal Sector & Labour Studies- ISLH (884)		In addition to (a) and (b) in C(i) above, M.Phil or equivalent Research/Publications in the areas of informal sector and labour studies. Students from all disciplines in Social Sciences and Humanities can apply for admission to this programme. They will be expected to have a well developed research proposal which focuses on issues related to informal sector and labour. They also need to be aware of the available literature in their proposed research areas. Candidates will be assessed on merit, analytical framework and the relevance of the research proposal to broad theme of informal sector and labour. After the shortlisting of the application based on the fulfillment of the entry requirements and the merit of research proposal submitted (of about 2000 words) candidates will be called for an interview. The final selection will be based on the interview.				
3	Centre for Economic Studies and Planning (CESP)	Economics - ECOH (865)		Only those candidates shall be considered for admission to the Ph. D. Programme who have —				<p>(d) obtained 2 years M.Phil degree of a recognised university/institution OR</p> <p>(e) obtained one year or one and a half year M.Phil degree with one year's work experience and one publication OR</p> <p>(f) at least two years work experience after Master's degree with research publications comparable to M.Phil standard.</p> <p>In addition, they should have obtained Master's degree with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale.</p>
4	Centre for Historical Studies (CHS)	Modern History- MODH (866)						
5		Medieval History- MEDH (867)						
6		Ancient History- ANCH (868)						
7	Centre for Political Studies (CPS)	Political Science- POLH (869)						<p>Those who wish to apply for a research degree are expected to have a strong, detailed and well developed research proposal for a thesis that can be supervised in the Centre. In addition to fulfillment of the entry requirements, they will need to approach the subject with rigor and appropriate knowledge of the field.</p> <p>The candidate should have extensive knowledge of the domain.</p> <p>Candidates must submit a detailed research proposal at the time of application for admission.</p>
8	Centre for the Study of	Population Studies- POPH (870)						A limited number of scholars are admitted to the admission to Ph.D Programme with relevant eligibility/qualification in the field of Geography, Economics, Population Studies and allied/related disciplines/ areas. Candidates seeking admission to the Ph.D Programme are required to
9		Geography- GEOH (871)						

10	Regional Development (CSRSD)	Economics- ECNH (872)		submit a research proposal on issues/problems of regional development indicating the research problem, nature, scope and objectives, theoretical and conceptual understanding, methodology and review of literature of the work the candidate proposes to undertake.		
11	Centre of Social Medicine and Community Health (CSMCH)	Social Sciences in Health- CSMH (873)		In case of doctors and nurses, MBBS/M.Sc. Nursing with M.Phil./MD/MPH degree of a recognized University/ Institution OR at least 2 years research experience in community health in reputed institutions with research publication(s) comparable to M.Phil. standard. In addition, they should have obtained Masters Degree with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale.		
12		Community Health- MPH (874)		In case of social sciences and other disciplines allied to public health: Masters degree in social sciences or Humanities with at least 50%marks or Master Degree in Sciences and Technology with at least 55% marks, an M.Phil. degree or a Masters Degree with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale with at least 2 years experience in public health in reputed institutions and research publication(s) equivalent to M.Phil.		
13	Centre for the Study of Social Systems (CSSS)	Sociology- SOCH (875)				
14	Zakir Husain Centre for Science Policy (ZHCSP)	Educational Studies- EDUH (876)				
15	Centre for Studies in Science Policy (CSSP)	Studies in Science Policy- SSPH (877)				
16	Centre for Philosophy (CP)	Philosophy- SPHH (878)				
17	Centre for Women Studies (CWS)	Women Studies- WSPH (879)		In case of work experience (minimum 2 years) in an NGO (related to gender issues), again candidate must provide research publications equivalent to M.Phil. In addition, they should have obtained Master's degree/BE/B.Tech. with 55% marks or equivalent FGPA in 10 point scale/ comparable standard where the grading is based on system other than 10 point scale.		
18	Centre for the Study of Discrimination and Exclusion (CSDE)	Discrimination and Exclusion Studies- SDEH (880)		Research/Publications in the areas of Discrimination and Exclusion with special reference to Scheduled Caste, Scheduled Tribes and Minorities are desirable.		
19	Centre for Media Studies (CMS)	Media Studies- CMSH (881)		Candidates must have obtained a two year M.Phil. degree of a recognized University/Institution (with dissertation/seminar/Viva) in the Social Sciences/ Humanities/Media and cultural Studies; OR at least 2 years research experience after Master's degree/ in reputed institutions with research publication(s) comparable to M.Phil. standard. In addition, they should have obtained Master's degree with 55% marks or equivalent FGPA in point scale/ comparable standard where the grading is based on system other than 10 point scale.		
20	North East India Studies Programme (NEISP)	North East India Studies- NESH (882)				



### School of Computer & Systems Sciences

The School of Computer & Systems Sciences was established way back in 1975. It is one of the foremost institutions to start teaching and research programmes in the broad areas of computer science. The School has established itself as one of the most prestigious institutions in the area of computer education in the country. The School offers programmes of instruction and research leading to degree of MCA, M.Tech.(M.Phil.) and Ph.D. It attracts best of the students from all over the country. Every year around ten thousand students, including applicants from the neighbouring SAARC countries appear for the MCA and M.Tech. entrance examinations. The popularity of the courses offered can be judged from the successful placement of students in the leading companies in the field of Computer Science and Information Technology. The graduates from the School have been placed in companies such as IBM, CSC, TCS, Flextronics, Siemens, HP, Parot Systems, CSG, Accenture, Cadence, Genpact, etc. The School has also trained students from foreign universities in the field of Computer Science.

The School continues to be at the forefront in offering interdisciplinary courses - a goal in JNU's charter. The School has the following research areas:

Cloud Computing, Computer Graphics, Computer Network, Computer Vision, Databases, Data Mining, Data Warehousing, Embedded Systems, Image Processing, Knowledge Engineering, Machine Learning, MEMS, Mobile Networks, Modelling and Simulation, Natural Language Processing, Network Security, Optimization Theory, Parallel and Distributed Systems, Pattern Recognition, Programming Languages, Software Engineering, VLSI, Web Mining, Wireless Network.

### PROGRAMMES OF STUDY

#### (i) Admission to Ph.D Programme

Admission is offered to candidates based on their performance in the written test and the interview. Candidates must appear in the written examination conducted by the University. Based on the written test, short-listed candidates will have to appear in the interview. The selected candidates are required to complete the course work within first two semesters. Successful completion of course work is prerequisite for confirmation in the Ph.D. programme.

#### (ii) M.Tech. (Computer Science & Technology)

Candidates have to appear in an entrance test followed by an interview.

#### (iii) MCA (Master of Computer Applications)

Students are admitted to the MCA programme each year on the basis of their performance in the written test conducted by the University.

This three-year programme is designed to provide necessary theoretical background and practical experience in Computer Science and Applications to

meet the growing manpower requirements in automatic computing.

#### (iv) M.Tech. (Statistical Computing)

M.Tech programme in Statistical Computing is a **new programme** introduced by the School of Computer and Systems Sciences. Admission is offered to candidates based on their performance in the written examination and the interview. Candidates applying for this programme must appear in the written examination conducted by the University. Based on the written examination, short-listed candidates will have to appear for the interview.

M.Tech. programme in Statistical Computing will have specialization in **Data Science** stream and **Data Communication** stream. **Each candidate applying for M.Tech. in Statistical Computing should clearly mention only one specialization (either Data Science stream or Data Communication Stream) in the application form.** The candidature of those applying for both the specializations is likely to be rejected. Therefore, candidates are advised in their own interest not to apply for both the specializations. In the entrance examination, the applicants must answer questions only for the specialization for which they have applied. Separate merit lists for specialization in the Data Science stream and the Data communication stream will be prepared. **No change-over from one specialization to another will be allowed. This programme will be a terminal degree.**

**Duration of Course: Two Years.**

**Master of Computer Applications**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Intake	Eligibility	Viva/Non Viva	Guidelines/Course outline	Paper will be subjective/objective/both
1	School of Computer & Systems Sciences (SC&SS)	Master of Computer Applications- MCAM (224)	46	Bachelor's degree in any discipline with adequate competence in Mathematics under 10+2+3 pattern of education with at least 55% marks.	<b>Non-viva</b>	The question paper will comprise of 100 multiple choice questions. 1 mark will be awarded for each correct answer and negative mark of 0.25 for each incorrect answer. Syllabus: General Aptitude, Reasoning and 10+2/Graduate level Mathematics, Probability and Statistics. About 80% questions will be from Mathematics, Probability and Statistics and about 20% question from General Aptitude and Reasoning.	Objective

**M.Phil./Ph.D. (Computer Science and Technology)**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Guidelines/Course outline	Paper will be subjective/objective/both
1	School of Computer & Systems Sciences (SC&SS)	M.Tech. - MTCP (157)	Master's degree in Computer Science or Mathematics or Statistics or Operational Research or in any branch of Science or Bachelor's degree in any branch of Engineering or Master of Computer Applications (MCA) with at least 55% marks.	P.G. holders of AYUSH related subjects are also eligible to apply.	Viva - Voce	The question paper will comprise of 100 multiple choice questions. 1 mark will be awarded for each correct answer and negative mark of 0.25 for each incorrect answer. Syllabus: Graduate/Post graduate level Mathematics and Statistics, Graduate/Post graduate level Computer Science, General Aptitude and Research Methodology.  <b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>	For detail please check JNU website

**M.Phil./Ph.D. (Computer Science and Technology) (JRF)**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional Eligibility	Viva/Non Viva	Course outline/guidelines	Paper will be subjective/objective/both
1	School of Computer & Systems Sciences (SC&SS)	M.Tech.- MTCJ (805)	(a) Master's degree in Computer Science or Mathematics or Statistics or Operational Research or in any branch of Science or Bachelor's degree in any branch of Engineering or Master of Computer Applications (MCA) with at least 55% marks. (b) Candidates who have qualified for Junior Research Fellowship through CSIR/UGC National Eligibility Test (NET) examination are eligible to apply separately in the prescribed form	Please note that candidates who have only qualified NET of CSIR/UGC examination without fellowship are not eligible to apply and will not be interviewed. Candidates who have appeared in the CSIR/UGC NET examination but results are awaited may also apply under this category. However, such candidates will be interviewed upon submission of a valid proof of having qualified "JRF" at the time of interview.  <b>P.G. holders of AYUSH related subjects are also eligible to apply.</b>	<b>Viva-voce</b>	<b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>  <b>For detail please check JNU website</b>	<b>For details please check JNU website</b>
2		M. Phil. - SCSJ (806)					

**M.Tech. (Statistical Computing)**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Guidelines/Course outline	Paper will be subjective/objective/both
1	School of Computer & Systems Sciences (SC&SS)	Statistical Computing (Data Science) - MTSP (183)	Master's degree in Computer Science or Mathematics or Statistics or Operational Research or in any branch of Science or Bachelor's degree in any branch of Engineering or Master of Computer Applications (MCA) with at least 55% marks.	<b>P.G. holders of AYUSH related subjects are also eligible to apply.</b>	<b>Viva - Voce</b>	The question paper will comprise of 100 multiple choice questions. 1 mark will be awarded for each correct answer and negative mark of 0.25 for each incorrect answer. The question paper will be divided in two parts (Part A and Part B). Syllabus: <b>Part-A:</b> Graduate level Computer Science, Mathematics, Statistics, Research Methodology, Aptitude and Reasoning (Common to both streams). <b>Part-B:</b> For Data Science Stream-Databases, Artificial Intelligence, Data Warehousing and Data Mining. For Data Communication Stream-Computer Networks, Network Security, Network Programming, Mobile Computing, Wireless Communication.  <b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>	<b>For detail please check JNU website</b>
2		Statistical Computing (Data Communication) – MTDP (189)					

**Ph.D.**

Sl. No.	Name of Centre	Sub. Code & Number	Eligibility	Additional information	Viva/Non Viva	Guidelines/Course outline	Paper will be subjective/objective/both
1	School of Computer & Systems Sciences (SC&SS)	MTCH (889)	The candidates interested in research in Cloud Computing, Computer Graphics, Computer Network, Computer Vision, Databases, Data Mining, Data Warehousing, Embedded Systems, Image Processing, Knowledge Engineering, Machine Learning, MEMS, Mobile Networks, Modelling and Simulation, Natural Language Processing, Network Security, Optimization Theory, Parallel and Distributed Systems, Pattern Recognition, Programming Languages, Software Engineering, VLSI, Web Mining, Wireless Network will be considered for Admission to Ph.D. programme this year.  only those candidates shall be considered for admission to the Ph.D programme who have a) Obtained 2 years M.Tech/M.Phil. degree of a recognized University/Institution (with Dissertation/Seminar/Viva), except those who joined M.Tech. on or before 2002-2003; OR b) One year M.Phil. with additional one year research experience of a recognized University/Institute, and one publication; OR c) At least 2 years research experience after Master's degree/BE/B.Tech. from reputed institutions with research publication(s) comparable to M.Tech./M.Phil standard. In addition they should have obtained Master's degree/BE/B.Tech. with 55% marks or equivalent FGPA in 10 point scale/Comparable standard where the grading is based on system other than 10 point scale.	<b>For detail please check JNU website</b>	<b>Viva - Voce</b>	Syllabus: Graduate/Post graduate level mathematics and Statistics, Graduate/Post graduate level Computer Science, General Aptitude and Research Methodology.  <b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>	<b>For detail please check JNU website</b>
2		SCSH (890)					



**SCHOOL OF PHYSICAL SCIENCES**

The School of Physical Sciences (SPS), is one of the leading departments in India in terms of research and teaching in Physical Sciences. Some years ago, the school has started Ph.D. programmes in Chemical and Mathematical Sciences as well. Over the years, the SPS faculty has made significant contributions to novel interdisciplinary areas interfacing Physics, Chemistry and Mathematics, in addition to the more traditional areas of Physics. The school has state of the art computing facilities and well-equipped laboratories for Physics and Chemistry and a rich library with an excellent collection of books on Mathematics, Physics and Chemistry.

The research emphasis of the Physics group has been on topics in Computational Physics, Condensed Matter Physics, Chemical Physics, Disordered Systems, Mathematical Physics, Non-equilibrium Statistical Mechanics, Non-linear Dynamics, Probability Measures, Quantum Chaos, Quantum Optics, Statistical Nuclear Physics and String Theory. Active Research is also undergoing in the area of complex fluids, Material Sciences, Superconductivity, Magnetism, Semiconductors, Non-linear Optics, Mesoscopic Systems, Chalcogenides, Polymers, Bio and Nano Materials.

The Chemistry group is active in the areas of Supramolecular Chemistry, Spectroscopy, Synthetic Organic Chemistry, Organic-Inorganic hybrid materials, MOF and zeolite membranes and Bio-physical Chemistry.

The Mathematics group has been working in the areas of Algebra, Number Theory, Elliptic Curves, Ergodic Theory and Dynamical Systems, Probability Theory and Operator Algebras.

The research and teaching contributions of SPS have been acknowledged in various ways. Many of our students have gone on to become faculty and scientists in leading institutions and laboratories in India and abroad. Many of the faculty members are frequent speakers at national and international conferences. The faculty and students regularly publish research papers in top international journals and their publications have received extensive citations in the scientific literature. Some faculty members have received prestigious awards and been elected fellows of some reputed scientific academies as well. In recognition of the excellence in the teaching and research programmes at SPS, the UGC has been continuously supporting the SPS since 1994 through various schemes such as DRS-COSIST and DSA. Apart from the UGC support, SPS also received major funding from the DST under the FIST programme in 2002, 2007 and 2014. It is also worth mentioning that SPS faculty members have attracted considerable individual support through research projects from CSIR, DST, DBT, UGC, NBHM, DAE etc.

#### **PROGRAMMES OF STUDY**

##### **(i) Admission to Ph.D. programme in Physical Sciences**

Suitable courses may be prescribed for candidates admitted to the Ph.D. programme.

##### **(ii) M.Sc. in Physics**

The detailed syllabus of the M.Sc. programme is available at the JNU website. The salient features of the syllabus are: (a) emphasis on core aspects of modern physics, and (b) emphasis on laboratory training. The M.Sc. programme is nurtured as an integral part of the research activities of the School.

##### **(iii) M.Sc. in Chemistry**

The detailed syllabus of the M.Sc. programme is available at the JNU website. The salient features of the syllabus are:

- (a) emphasis on the fundamental and applied aspects of chemistry,
- (b) emphasis on laboratory training, and
- (c) initiation to the primary aspects of scientific research in chemistry.

**Master of Science**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Intake	Eligibility	Viva/Non Viva	Course outline/guidelines	Paper will be subjective/objective/both
1	School of Physical Sciences (SPS)	Physics- SPSM (226)	31	Bachelor's degree (with Physics as one of the subjects) under the 10+2+3 pattern of education with 55% marks in the aggregate (or in Physics, Chemistry and Mathematics combined), or in Physics Honours. Applicants with B.Tech. (Electronics/Electrical/Mechanical/Computer) degree (or equivalent) can also apply.	Non-viva	Candidates will be tested for knowledge of broad areas of Physics, Physical Chemistry and Mathematics at the B.Sc. (General) level.	Objective
2		Chemistry – CHEM (227)	6	<b>Bachelor's degree (with Chemistry as one of the subjects) under the 10+2+3 pattern of education with 55% marks in the aggregate (or in Chemistry, Physics and Mathematics combined), or in Chemistry Honours. Applicants with B.Tech degree (or equivalent) in Chemical/Polymer/Petroleum Engineering can also apply.</b>		Candidates will be tested for knowledge in broad areas of Organic, Inorganic and Physical Chemistry at the B.Sc. (General) level.	

**Ph.D.**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Course outline/guidelines	Paper will be subjective/objective/both
1	School of Physical Sciences (SPS)	Mathematical Sciences MATH (897)	Candidates shall be considered for admission to the Ph.D. programme on the following basis: (a) obtained 2 years M.Phil. degree of a recognized University/Institution (with dissertation/seminar/Viva) or one year M.Phil. with additional one year research experience of a recognized University/ Institution, and one publication. OR (b) at least two years research experience after Master's Degree/BE/B.Tech. in recognized institutions and with research publication(s). In addition, they should have obtained Master's Degree/BE/B.Tech. with 55% marks or equivalent FGPA in 10 point scale/comparable standard where the grading is based on system other than 10 point scale. (c) However, the School reserves the right to adopt additional criteria for shortlisting of the applications.	For detail please check JNU website	Viva - Voce	<b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>  <b>For detail please check JNU website</b>	For detail please check JNU website
2		Physical Sciences- PHYH- (898)					
3		Chemical Sciences- CHEH (899)					

## **CERTIFICATES AND OTHER DOCUMENTS REQUIRED AT THE TIME OF VIVA VOCE AND ADMISSION**

### **1. Certificates and documents required to be submitted by candidates for admission to (a) Ph.D., M.Phil./Ph.D., Pre-Ph.D./Ph.D., MPH/Ph.D, M.Tech/Ph.D. and M.Sc.-Ph.D, at the time of viva-voce examination.**

- (i) Testimonials from two persons one of whom should be a former teacher of the candidate;
- (ii) A complete list of subjects/papers taken by the candidate for the certificates/degrees mentioned below;
- (iii) A copy of at least one of the published papers of the candidate, if any, which he/she considers to be the most representative of his/her intellectual interest and ability.
- (iv) A brief note (one copy) stating the candidate's area of specialised interest of research, if any, and his future professional goals, and such other additional information that may help his/her selection to the programme of study.
- (v) A research proposal of around 500 words is to be submitted by the candidate at the time of viva-voce.

### **(b) Certificate and document required to be submitted by JRF/CSIR NET etc. holders.**

- (i) A copy of a valid proof of NET/JRF certificate and two copies of the Matriculation, Higher Secondary, Pre-University or Indian School Certificate or Senior School Certificate (10+2) or an equivalent examination certificate, showing the age/date of birth of the candidate duly attested by the Principal of the College/School last attended or a Gazetted Officer:
- (ii) Testimonials from two persons one of whom should be a former teacher of the candidate;
- (iii) A complete list of subjects/papers taken by the candidate for the certificates/degrees mentioned below;
- (iv) A copy of at least one of the published papers of the candidate, if any, which he/she considers to be the most representative of his/her intellectual interest and ability.
- (vi) A brief note (one copy) stating the candidate's area of specialised interest of research, if any, and his future professional goals, and such other additional information that may help his/her selection to the programme of study.
- (vii) A research proposal of around 500 words is to be submitted by the candidate at the time of viva-voce.

### **2. Certificates and documents required to be submitted by all candidates selected for admission to various programmes of study at the time of admission/registration.**

1. Enrolment Form
2. Admission Folio
3. Statistics Form
4. Application Form for Hostel Accommodation
5. Central Library Application Form
6. Five copies of recent passport size photographs
7. Two sets of self-attested copies of the Matriculation, Higher secondary, Pre-University or Indian School Certificate or Senior School Certificate (10+2), or an equivalent examination certificate showing the age/date of birth of the candidate.
8. A Character Certificate from the Head of the Institution last attended
9. Two sets of self-attested copies of the statement of marks obtained by the candidate and passing certificate/degree of Senior School, Bachelor's Degree/Master's Degree examination etc; or their equivalent examination
10. For SC/ST Candidates: Two attested copies of SC/ ST Certificate in the prescribed format in support of their claim for admission against the reserved quota. Candidate should bring original caste/category certificate at the time of admission/registration (Format is available on 3<sup>rd</sup> page of this document).
11. OBC Candidates: Two copies of OBC Certificate in the prescribed format. Candidate should bring original caste/category certificate at the time of admission/registration (Format is available on 4<sup>th</sup>, 5<sup>th</sup> & 6<sup>th</sup> page of this document).
12. For PWD Candidates: Two copies of Disability Certificate in the prescribed Format issued by a Competent Medical Authority indicating the nature and extent (including percentage) of Physical Disability in support

Item 1 to 5 will be generated by the system at the time of admission/registration

of their claim for admission against PWD quota. Candidate should bring original Disability Certificate at the time of admission/registration (Format is available on 7<sup>th</sup> & 8<sup>th</sup> page of this document).

13. Migration Certificate (in original) from the Head of the Institution/University last attended:
  - (i) All those candidates who have passed their qualifying examination prior to 2017 must produce the Migration Certificate from the University from where they have passed their qualifying examination at the time of admission/registration failing which they will not be granted admission.
  - (ii) Candidates who have passed their qualifying examination in 2017 and are not in a position to submit the Migration Certificate at the time of admission, should submit the same as early thereafter as possible, but not later than 30<sup>th</sup> October, failing which the University reserves the right to cancel their admission.
14. Two Anti-Ragging Affidavits (one to be signed by the candidate and the other to be signed by the parent/guardian of the candidate) on non-judicial Stamp Paper of Rs.10/- each as per the given format (ANNEXURE) duly attested by a Notary Public is required to be submitted at the time of registration. Candidate may retain one copy each of the Anti-Ragging Affidavit for submitting at IHA (Inter Hall Administration) Counter (For Anti-Ragging Affidavits format please see section 15(d) of the E-Prospectus).
15. Candidates pursuing their studies with some other University/Institution are required to submit discontinuation certificate from their respective University/Institution at the time of registration/admission. They are also required to submit the Migration Certificate subsequently within the stipulated time.
16. The admission of candidates who have passed their qualifying examination from a Foreign University will be subject to their qualification being found equivalent to the qualifications prescribed by the University.
17. The candidates, enjoying employed status and selected for admission to any programme of study in the University, are required to produce **LEAVE SANCTION ORDER/RELIEVING ORDER AT THE TIME OF ADMISSION/ REGISTRATION** from their employer for the duration of the programme permitting them to pursue their studies at the University, failing which the offer of admission shall stand withdrawn. In case of resignation, the candidates are required to submit Relieving Order from their employer at the time of admission/registration.
18. Demand Draft required for taking admission:

M.Phil./Ph.D, Pre-Ph.D/Ph.D, M.Tech/Ph.D, MPH/Ph.D	Rs. 295/-
PGDE	Rs. 10,174.50
M.A./M.Sc./M.C.A, B.A. (Hons.)	Rs. 283/-
Part Time	Rs. 234/-

19. DD should be in favour of "Jawaharlal Nehru University" payable at New Delhi.
20. Following documents will be submitted by the candidate (in original) at the Admission Counter in a separate envelope while taking admission/registration:
  - i. Marksheets & Degree/Provisional Certificate of the qualifying examination,
  - ii. Migration certificate
  - iii. Character Certificate
  - iv. Anti-ragging Affidavits

**Important:**

*The candidates, will be allowed to register only IN PERSON. The candidates are also required to produce all originals of the above certificates/documents for verification at the time of registration/admission. In the absence of any of the original certificates/documents, registration/admission shall not be allowed. The original certificates of the candidates will be retained by the University for a period of one semester.*

## **ADMISSION PROCEDURE FOR FOREIGN STUDENTS**

Every year foreign nationals are admitted to various programmes of study under the following categories:-

- (a) Self-financing Students
  - i) through Entrance Examination and/or viva voce
  - ii) through 'In Absentia'
- (b) Under the Cultural Exchange Fellowship Programme of Govt. of India.
- (c) As Casual Students to audit the courses (not leading to award of any degree)

**Foreign nationals seeking admission in any of the categories under (a) and (b) above will have to satisfy the minimum eligibility criteria for admission to the various programmes of study as prescribed by the University.**

### **(a) SELF FINANCING STUDENTS**

#### **(I) THROUGH ENTRANCE EXAMINATION AND/OR VIVA-VOCE: (For those foreign national who are in India/Nepal)**

**All Foreign students present in India will be required to appear in the entrance examination and/or viva voce subject to their fulfilling minimum eligibility requirement as prescribed for Indian students subject to equivalence of their qualification and production of Student Visa/Research Visa, as the case may be.**

#### **(II) THROUGH 'IN-ABSENTIA' CATEGORY:**

**Candidates already in India during entrance examination and/or viva voce will not be considered for admission under in absentia/under Cultural Exchange programme of Government of India and they will have to go through the process of entrance examination and/or viva voce for admission to various programmes of study.**

Foreign Nationals who are applying from their respective countries will be considered 'In Absentia' and there is a separate Application Form for them. They are required to mail Application Form (alongwith the copies of the certificates etc. on the basis of which admission is sought by them) to Section Officer (Admission-II), Room No. 20, Administrative Block, Jawaharlal Nehru University, New Delhi - 110067. Application Form can be obtained from the Section Officer (Admissions), Room No. 28, Administrative Block, Jawaharlal Nehru University, New Delhi - 110067 by sending a Bank Draft of US \$25.00 drawn in favour of **JAWAHARLAL NEHRU UNIVERSITY** payable at **NEW DELHI** or can be downloaded from our website [www.jnu.ac.in](http://www.jnu.ac.in). A Bank Draft of US \$25.00 drawn in favour of **JAWAHARLAL NEHRU UNIVERSITY** payable at **NEW DELHI** is to be enclosed with the filled in downloaded Application Form towards the cost of application form.

### **(b) UNDER CULTURAL EXCHANGE PROGRAMME OF GOVERNMENT OF INDIA:**

The students seeking admission under the Cultural Exchange Fellowship Programme of Government of India are required to approach the Indian Council for Cultural Relations, (ICCR), Azad Bhavan, I.P State, New Delhi-110001, India. In the event of their selection, the Council will be informed about their selection.

### **(c) CASUAL STUDENTS TO AUDIT COURSE(S):**

Foreign Nationals may join the University for a semester or two to audit course(s)/crediting of credits in any of the Centre of Study/Schools of Study. If admission is given for auditing certificate of participation will be issued by the faculty Incharge of the course and if admission is given for credit marksheet will be issued by the University.

## **SELECTION**

In the event of their selection, candidates will be informed about their selection and their admission will be subject to the following conditions:-

1. Equivalence of their qualifications as prescribed by the University for various programmes of study.
2. Production of Student-Visa/Research Visa (as the case may be) in accordance with the revised visa policy of Government of India as also a xerox copy of their Passport together with the original documents for verification.
3. Medical-cum-Fitness Certificate
4. Insurance of Rs.1.00 lakh (minimum)

**JAWAHARLAL NEHRU UNIVERSITY**  
**M.Phil/Ph.D. Intake for the year 2017-18**

(The intake given in the e-Prospectus for M.Phil., Ph.D. programmes are tentative and subject to Faculty fulfilling Clause 6 of 2016 UGC Gazette Notification)

**M.Phil./Ph.D.**

Sl. No.	Faculty/Department	Tentative Intake 2017-18
<b>I</b>	<b>School of International Studies</b>	
1	Centre for European Studies M.Phil/Ph.D. in European Studies (EUP)	1
2	Centre for International Trade & Development M.Phil/Ph.D. in Trade & Development (ITD)	9
3	Centre for South Asian Studies South Asian Studies (SAS)	1
<b>II</b>	<b>School of Social Sciences</b>	
1	Centre for Economic Studies & Planning M.Phil/Ph.D. in Economics Studies & Planning (ECO)	13
2	Centre for the Study of Regional Development M.Phil/Ph.D. in Geography (GEO)	1
<b>III</b>	<b>School of Language, Literature &amp; Culture Studies</b>	
1	Centre for French and Francophone Studies M.Phil/Ph.D. in French (FRN)	12
2	Centre for German Studies M.Phil/Ph.D. in German (GER)	9
3	Centre for Russian Studies M.Phil/Ph.D. in Russian (RSN)	8
4	Centre for Chinese, South East Asian Studies M.Phil/Ph.D. in Chinese (CHN)	3
<b>IV</b>	<b>School of Environmental Sciences</b>	
	M.Phil/Ph.D. in Area-I (ONE)	
	M.Phil/Ph.D. in Area-II (TWO)	
	M.Phil/Ph.D. in Area-III (THR)	
	M.Phil/Ph.D. in Area-IV (FOR)	12

<b>V</b>	<b>School of Life Sciences</b>	17
	M.Phil/Ph.D. in Area-I (ONE)	
	M.Phil/Ph.D. in Area-II (TWO)	
	M.Phil/Ph.D. in Area-III (THR)	
	M.Phil/Ph.D. in Area-IV (FOR)	
<b>VI</b>	<b>School of Arts and Aesthetics</b>	16
	M.Phil/Ph.D. in VSA	
	M.Phil/Ph.D. in TPS	
	M.Phil/Ph.D. in CNS	
	<b>Total</b>	<b>102</b>

#### PG Diploma

<b>I</b>	<b>School of Computational and Integrative Sciences</b>	
	PG Diploma in Bigdata Analytics	15
	<b>Total</b>	<b>15</b>

#### M.Tech

<b>I</b>	<b>Special Centre for Nano Science</b>	
	i) M.Tech in Electronics (NNEP)	10
	ii) M.Tech in Science (NNSP)	10
<b>II</b>	<b>School of Computer &amp; Systems Sciences</b>	
	M.Tech in Computer & System Sciences (MTCP)	20
	M.Tech (Statistical Computing) (Data Sciences)	9
	<b>Total</b>	<b>49</b>

#### M.Phil./Ph.D. (JRF)

Sl. No.	Faculty/Department	Total Proposed Intake 2017-18
<b>I</b>	<b>School of Computer &amp; Systems Sciences</b>	
	M.Phil/Ph.D. in (JRF)	5
<b>II</b>	<b>School of Environmental Sciences</b>	
	M.Phil/Ph.D. (JRF) in Area - I (ONE)	11
	M.Phil/Ph.D. (JRF) in Area - II (TWO)	
	M.Phil/Ph.D. (JRF) in Area - III (THR)	
M.Phil/Ph.D. (JRF) in Area - IV (FOR)		

<b>III</b>	<b>School of Lice Sciences</b>	
	M.Phil/Ph.D. (JRF) in Area - I (ONE)	12
	M.Phil/Ph.D. (JRF) in Area - II (TWO)	
	M.Phil/Ph.D. (JRF) in Area - III (THR)	
	M.Phil/Ph.D. (JRF) in Area - IV (FOR)	
	<b>Total</b>	<b>28</b>

	<b>Ph.D</b>	
<b>Sl. No.</b>	<b>Faculty/Department</b>	<b>Total Proposed Intake 2017-18</b>
<b>I</b>	<b>School of Social Sciences</b>	
1	Centre for Economic Studies & Planning Ph.D. in Economics Studies & Planning (ECOH)	5
2	Ph. D in Group of Adult Education (GAEH)	5
3	Ph.D in Centre for Informal Sector & Labour Studies (ISLH)	7
<b>II</b>	<b>School of Language, Literature &amp; Culture Studies</b>	
1	Centre for German Studies Ph.D. in German (GERH)	5
<b>III</b>	<b>School of Environmental Sciences</b>	4
	Ph.D. in Area-I (ONEH)	
	Ph.D. in Area-II (TWOH)	
	Ph.D. in Area-III (THRH)	
	Ph.D. in Area-IV (FORH)	
<b>VI</b>	<b>School of Arts and Aesthetics</b>	1
	Ph.D. in Visual Studies (VSAH)	
	Ph.D. in Theater and Performance Studies (TPSH)	
	Ph.D. in Cinema Studies (CNSH)	
<b>V</b>	<b>School of Computational and Integrative Sciences</b>	
	Ph.D in Computational Biology and Bioinformatics (CEEH)	6
<b>VI</b>	<b>Special Centre for Nano Science</b>	
	Ph.D in Nano Sciences (NNSH)	5
<b>VII</b>	<b>School of Physical Sciences</b>	
	Ph.D in Mathematical Sciences (MATH)	6
	Ph.D in Chemical Sciences (CHEH)	
	Ph.D in Physical Sciences (PHYH)	
<b>VIII</b>	<b>School of Molecular Medicines</b>	
	Ph.D in Molecular Medicines (CMMH)	15
<b>IX</b>	<b>School of Biotechnology</b>	
	Ph.D in Biotechnology (SBTH)	5
	<b>Total</b>	<b>64</b>

## TIME-TABLE FOR ADMISSION

1.	Start of Online Application Process	-	From 21.03. 2017
2.	Closing of Online Application Process	-	Till 05:00 PM on 05.04.2017
3.	Date of Entrance Examination	-	16 <sup>th</sup> , 17 <sup>th</sup> , 18 <sup>th</sup> and 19 <sup>th</sup> May, 2017
4.	Declaration of Result of written examination For B.A.(Hons.) 2 <sup>nd</sup> Year, M.A.(Foreign Languages, M.Phil/Ph.D., M.Tech, MPH, COP & ADOP (Mass-Media) (for programmes where viva-voce is prescribed)	-	23 <sup>rd</sup> June, 2017 (Tentative)
5.	Viva-Voce of the Candidates Selected on the basis of Written test	-	10 <sup>th</sup> July, 2017 (Tentative)
6.	Publication of Merit list for admission to Various programmes of study		
	i) Where Viva-voce is not prescribed (B.A.(Hons.) 1 <sup>st</sup> year, M.A. (except Foreign languages), M.Sc. & MCA)	-	7 <sup>th</sup> July, 2017 (Tentative)
	ii) Where Viva-voce is prescribed (B.A.(Hons.) 2 <sup>nd</sup> year, M.A. (Foreign languages), M.Phil/Ph.D., M.Tech, MPH, COP & ADOP (Mass-Media)	-	14 <sup>th</sup> July, 2017 (Tentative)
7.	Registration of candidates selected for admission:		
	i) For B.A. (Hons.) 1 <sup>st</sup> Year	-	18 <sup>th</sup> to 20 <sup>th</sup> July & 28 <sup>th</sup> to 31 <sup>st</sup> July, 2017
	ii) For M.A./M.Sc./M.C.A.	-	21 <sup>st</sup> 24 <sup>th</sup> and 25 <sup>th</sup> July & 28 <sup>th</sup> July to 1 <sup>st</sup> August, 2017
	iii) For M.Phil./M.Tech./M.P.H., JRF and B.A. (Hons.) 2 <sup>nd</sup> year	-	26 <sup>th</sup> , 27 <sup>th</sup> , 28 <sup>th</sup> , 31 <sup>st</sup> July & 1 <sup>st</sup> August, 2017
	iv) For Part Time	-	2 <sup>nd</sup> to 4 <sup>th</sup> August, 2017
	v) Extension Cases	-	18 <sup>th</sup> to 20 <sup>th</sup> July, 2017
	vi) Ph.D.	-	18 <sup>th</sup> to 20 <sup>th</sup> July, 2017
8.	Last date for payment of Fee	-	1 <sup>st</sup> August, 2017
9.	Release of Second List, wherever considered necessary	-	By 2 <sup>nd</sup> August, 2017
10.	Registration of Second List	-	7 <sup>th</sup> to 14 <sup>th</sup> August, 2017
11.	Deadline for Admission/Registration	-	14 <sup>th</sup> August, 2017

### **Note:**

1. The lists of candidates invited to viva-voce and in respect of those finally selected for admission shall be displayed on the Notice-Boards of the Administrative Block and will also be available on JNU website ([www.jnu.ac.in](http://www.jnu.ac.in)). Although intimation to this effect is sent to the candidates on their e-mail account and also available on JNU website as well as candidates online application form account, yet the candidates are advised to find out from Notice Board or JNU website ([www.jnu.ac.in](http://www.jnu.ac.in)) or through their own sources whether their names appear in the lists and thereby make timely arrangements to appear for the viva-voce and for joining the programme, as the case may be. **The University will not issue any paper intimation to the candidates. Candidates are advised to regularly check JNU website for updates.**
2. It will be in the interest of candidates selected for admission to report for registration and join the programme of study immediately after the commencement of registration process.

**2. (xii) SPECIAL CENTRE FOR MOLECULAR MEDICINE**

**Ph.D. Programme**

**Existing**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Course outline/ guidelines	Paper will be objective/ subjective/ Both
1	Centre for Molecular Medicine (SCMM)	Molecular Medicine- CMMH (905)	<p>Only those candidates shall be considered for Admission to the Ph.D. programme, who have either --</p> <p>a) Obtained MBBS/M.Pharm./BVSc degree (during 2011 or later) from a recognized University/Institution with one year experience or obtained MD /MVSc degree (during 2012 or later; experience is not essential).</p> <p style="text-align: center;"><b>OR</b></p> <p>b) Obtained 2 years M.Phil. degree from a recognized University/Institution with minimum Final Grade Point Average (FGPA) of 6.00 in 10 point scale/comparable standard where the grading is based on system other than the 10 point scale. The candidates who have obtained M.Phil. degree from a University/Institution where the M.Phil dissertation is not graded or grading is not based on 10 point scale, are required to forward a copy of their M.Phil. dissertation along with the Application Form for the purpose of assessment of their credentials;</p> <p style="text-align: center;"><b>OR</b></p> <p>c) At least 2 years research experience in reputed institutions with at least one research publication in peer-reviewed journals (included in PubMed; NOT review articles or popular articles or papers in the proceedings). In addition, they should have obtained a Master's Degree in Sciences (Not before the year 2011) with FGPA of 6.00 in the 10 point scale/comparable standard or equivalent percentage.</p>	<b>For detail please check JNU website</b>	<b>Viva-voce</b>	<p>Qualifying marks for the Entrance Test shall be 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific.</p> <p><b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b></p> <p><b>For detail please check JNU website</b></p>	<b>For detail please check JNU website</b>

**Modified**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Course outline/ guidelines	Paper will be objective/ subjective/ Both
1	Centre for Molecular Medicine (SCMM)	<p>Molecular Medicine- CMMH (905)</p> <p>Molecular Medicine- CMMJ (816)</p>	<p>Only those candidates shall be considered for Admission to the Ph.D. programme, who have either --</p> <p>a) Obtained Master's Degree in Biological/Chemical Sciences from a recognized institute/university with at least 55% marks who have qualified CSIR/UGC-NET- JRF, DBT-JRF, ICMR-JRF, AYUSH and DST Inspire fellowship etc. The candidates who have appeared in these examinations, but whose results are awaited may also apply under this category. However, if they are qualified in the written test, they would be interviewed only upon submission of documentary evidence of having qualified for the fellowship (JRF) by May 31, 2017 to the Chairperson of the Special Centre for Molecular Medicine. Candidates with a valid proof of JRF will only be interviewed and be entitled for travel allowance as per rules to attend the interview.</p> <p style="text-align: center;"><b>OR</b></p> <p>b) Obtained MBBS/M.Pharm./BVSc degree (during 2011 or later) from a recognized University/Institution with one year experience or obtained MD /MVSc degree (during 2012 or later; experience is not essential) OR Candidates with M.Tech. degree in Biological/Chemical Sciences with 55% marks are also eligible to apply.</p> <p style="text-align: center;"><b>OR</b></p> <p>c) Obtained M.Phil. degree from a recognized University/Institution with minimum Final Grade Point Average (FGPA) of 6.00 in 10 point scale/comparable standard where the grading is based on system other than the 10 point scale. The candidates who have obtained M.Phil. degree from a University/Institution where the M.Phil dissertation is not graded or grading is not based on 10 point scale, are required to forward a copy of their M.Phil. dissertation along with the Application Form for the purpose of assessment of their credentials;</p> <p style="text-align: center;"><b>OR</b></p> <p>d) At least 2 years research experience in reputed institutions with at least one research publication in peer-reviewed journals (included in PubMed; NOT review articles or popular articles or papers in the proceedings). In addition, they should have obtained a Master's Degree in Sciences (Not before the year 2011) with FGPA of 6.00 in the 10 point scale/comparable standard or equivalent percentage</p>	<b>For detail please check JNU website</b>	<b>Viva-voce</b>	<p>Qualifying marks for the Entrance Test shall be 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific.</p> <p><b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b></p> <p><b>For detail please check JNU website</b></p>	<b>For detail please check JNU website</b>

**2. (xiv) SPECIAL CENTRE FOR NANO SCIENCES**

**Ph.D.**

**Existing**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Course outline/guidelines	Paper will be objective/ subjective/ both
1	Special Centre for Nano Sciences	Nano Sciences- NNSH (908)	Candidates shall be considered for admission to the Ph.D. programme on the following basis: (a) Obtained M. Phil./M.Tech. Degree of a recognized university/institution with one publication Or (b) M.Sc. degree of a recognized university/ institution and 2 years of research experience with one publication (c) Centre reserves the right to adopt additional criteria for shortlisting of the applications.	<b>For details please check JNU website</b>	<b>Viva - Voce</b>	<b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>  <b>For detail please check JNU website</b>	<b>For details please check JNU website</b>

**Modified**

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Eligibility	Additional information	Viva/Non Viva	Course outline/guidelines	Paper will be objective/ subjective/ both
1	Special Centre for Nano Sciences	Nano Sciences- NNSH (908)	Candidates shall be considered for admission to the Ph.D. programme on the following basis: (a) Obtained M.Phil./M.Tech. Degree of a recognized University/Institution with one publication OR (b) M.Sc. degree of a recognized University/ Institution and 2 years of research experience with one publication (c) Centre reserves the right to adopt additional criteria for short listing of the applications.	<b>For details please check JNU website</b>	<b>Viva - Voce</b>	<b>The entrance exam question paper would be prepared as per UGC Regulations 2016</b>  <b>For detail please check JNU website</b>	<b>For details please check JNU website</b>
		Nano Sciences- NNSJ (817)	(d) Candidates must have M.Sc. / M.Tech./ M.E. / B.Tech. / B.E. degree with at least 55% marks or equivalent grade point. (e) The candidates must have qualified UGC- CSIR/ICMR/NBHM/DBT fellowship or DST Inspire fellowship or any other national level examination that guarantees a fellowship from the funding agency concerned.				

The rest of the contents given in the e-Prospectus shall remain the same.

(A.K. Poddar)  
Asstt. Registrar (Admission)