

12. SPECIAL CENTRE FOR STUDY OF NORTH EAST INDIA

The pattern of JNUEE 2020-21 will be based on Multiple Choice Questions (MCQs) through Computer Based Test (CBT)

M.Phil. & Ph.D.

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Syllabus for Entrance Examination
1	Special Centre for the Study of North East India (SCSNEI)	North East India Studies- NESP (175) & NESH (882)	<ul style="list-style-type: none"> • Understanding North East India and its neighbouring areas: history, culture, society, politics, economic development, ecology and contemporary policies • Research Methodology: Various interdisciplinary methods such as approaches to social sciences, qualitative, quantitative, interpretative and historical methods • In addition to the above, the syllabus covers themes pertaining to North East India, such as religion and society, tribes and ethnicity, government and politics, economic development, frontiers and borderlands, and cultural histories.

13. SPECIAL CENTRE FOR MOLECULAR MEDICINE

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M.Sc. Programme

Sl. No.	Name of Centre	Sub. Code & Sub. Code Number	Syllabus for Entrance Examination
1	Centre for Molecular Medicine (SCMM)	Molecular Medicine- CMMM (233)	<p style="text-align: center;">Part A</p> <ol style="list-style-type: none"> 1. Basic Maths; 10th level geometry, PC, statistics, Arithmetic, Log, Basic knowledge of Computer science. 2. Chemistry: Concept of Molarity, Normality, Periodic Table, Organic Chemistry, Synthesis, Thermodynamics, Entropy, Enthalpy, Free energy, Law of Mass action, Reaction kinetics 3. Physics: Newton's law, radioactivity, Electricity, capacitance, optics, sound, gravity, spectroscopy. 4. Basic Biology: Zoology/Botany - classification/Evolution Biology/Population Biology. 5. General Aptitude and reasoning. 6. General awareness. <p style="text-align: center;">Part B</p> <p>Section 1 ; Biochemistry: Metabolism, Nutrition, Biomolecules, Hormones, Enzymes, Omics.</p> <p>Section 2 ; Microbiology: Bacterial genetics, Antibiotics mode of action, Infectious disease, Industrial Biotechnology .</p> <p>Section 3; Physiology, Diseases, Pharmacology, Genetics, Molecular Biology, Developmental biology, Zoology, Population genetics.</p> <p>Section 4 ; Botany: Molecular Biology.</p> <p>Section 5 ; Advanced Chemistry, Spectroscopy, Molarity/Normality, Radioactivity, Atomic Structure, Acid base, pH.</p>