SYLLABUS FOR THE ENTRANCE EXAMINATION FOR M.Sc. ENVIRONMENT SCIENCE AND M.Sc. GEOINFORMATICS

The entrance examination for admission to M.Sc course will be based on the following syllabus.

English Comprehension

This section shall comprise questions on Reading Comprehension: Intended to assess candidates' ability to understand and analyze information presented in text and also to assess aspirants' ability to apply concepts and information presented in a passage to parallel situations, in this part, candidates shall be provided one or more passages accompanied by sets of questions. Critical Reasoning: Intended to assess aspirants' ability to analyze arguments, find underlying assumptions, discern flaws in arguments and ascertain their validity and also to assess aspirants' ability to critically evaluate statements and situations; the questions in this part shall be based on short passages. Verbal Ability: Intended to test the candidate's understanding of the basic rules of grammar and English usage, this section will cover Pronouns, Misplaced Modifiers, Subject-Verb agreement, Parallel Construction, Verbs, Quantifiers, Comparatives and Idiomatic Expression, Vocabulary, Synonyms and Antonyms and Sentence completion.

Quantitative Aptitude and Numerical Ability

This section is intended to assess the quantitative aptitudes of the applicants. This section intended to evaluate aspirants' understanding and ability to apply the knowledge of basic mathematical concepts. This section will have questions pertaining to functions, algebra, coordinate system, inequalities, time, speed, distance, ratios and proportions, sets, profit and loss, simple and compound interest and elementary statistics central tendency, dispersion, probability, set theory, area, straight lines, circle, ellipse, parabola, hyberbola, theory of numbers, volumes.

Reasoning and General Intelligence

This section intends to assess aspirants' ability and capacity to draw inferences from various given situations and their ability to use logic and general intelligence. This section will have questions that will require aspirants to use logic to draw inferences and make effective decisions.

Reasoning: Series, analogy, classification, analytical reasoning, mirror images, water images, spotting out the embedded figures, completion of incomplete pattern, figure matrix, paper folding, paper cutting, rule detection, grouping of identical figures, cubes and dice, dot situation, construction of squares and triangles, figure formation and analysis.

General knowledge: General awareness about India and world affairs, Environmental Issues, India's Space Program, Remote Sensing and GIS, Parliament, Policies, Sports, Literature, Science, Eminent personalities, Titles conferred, Records, Indian culture, etc