

## **WRITTEN EXAMINATION SYLLABUS FOR RECRUITMENT OF FOREST GUARD**

All questions will be Multiple Choice Questions (MCQ) of one (1) mark each. The questions will be divided into three parts as follows:

### **Mathematics, Mental Ability and Reasoning (75 MCQ)**

Questions will be to test arithmetic, use of numbers and number sense of the candidates.

Questions will be on: Basic numerical methods, percentage calculation, simple interest and compound interest calculation, basic numerical based mathematical aptitude, linear equations, geometric representation of different possibilities of solutions/inconsistency. Algebraic conditions for number of solutions, Standard form of a quadratic equations, Solution of the quadratic equations, relationship between discriminant and nature of roots, problems related to day-to-day activities, Derivation of standard results of finding the  $n$ th term and sum of first  $n$  terms and their application in solving daily life problems, Concepts of coordinate geometry, Awareness of geometrical representation of quadratic polynomials, distance between points and section formula (internal), triangle, basic mensuration, mean, median and mode, probability etc..

Mental ability and Reasoning will include semantic analogy, symbolic operations, symbolic/number analogy, drawing inferences, critical thinking, problem solving, figural series, problem solving and numerical operations etc.

### **General Awareness (75 MCQ)**

Questions will be to test the awareness of candidates on current events and will also include questions relating to India and Nagaland pertaining to history, culture, geography, economics, general polity, science, general knowledge, forests and environment etc.

### **General English (30 MCQ)**

Questions will include spot the error, synonyms, antonyms, spellings/ Detecting errors, Idioms and phrases, one word substitution, improvement of sentences, Active/ Passive voice, conversion into direct/ indirect narration, shuffling of sentences parts, shuffling of sentences in a passage, comprehension passage etc.