SYLLABUS FOR SURVEYOR EXAMINATION UNDER LAND REVENUE & SETTLEMENT DEPARTMENT-2018

GENERAL ENGLISH (100 marks)

(a) Essay Writing (Conventional) ................................................................. 20 Marks
(b) Idioms & Phrases (Objective Type) ................................................... 16 Marks
(c) Comprehension of given passages (Objective Type) ................... 16 Marks
(d) Grammar (Objective Type) .............................................................. 16 Marks
   Parts of Speech : Nouns, Adjective, Verb, Adverb, Preposition, etc.
(e) Composition (Objective Type) ............................................................ 16 Marks
   i)Analysis of complex and compound sentences
   ii)Transformation of sentences
   iii)Synthesis of sentences
(f) Correct usage and vocabularies (Objective Type) ..................... 16 Marks

TECHNICAL PAPER I (150 Marks)

1. Fundamentals of Surveying 40 Marks
   Concepts of Surveying and Mapping; Linear and Angular Measurement;
   Control Survey; Concepts about Accuracy; Scanning; Geo-Referencing;
   Concepts and Applications of Total Station Techniques; GPS and its
   Modern Trends
2. Photogrammetry 30 Marks
   Basic Photogrammetry; Digital Photogrammetry; Remote Sensing
3. Cartography 40 Marks
   Datum; Map Projection; Concepts of Geodesy; Coordinate System;
   Concepts of Digital mapping and Digitisation
4. Cadastral survey

Cadastral Survey; GIS Basic; Database and DBMS; GIS Software and Application

TECHNICAL PAPER II (150 Marks)

I GEOMETRY 40 Marks
- Triangles
- Circles
- Constructions

II COORDINATE GEOMETRY 30 Marks
- Coordinate Geometry

III TRIGONOMETRY 30 Marks
- Heights and Distances

III MENSURATION 30 Marks
- Area related to Circles
- Surface Areas and Volumes

IV APTITUDE TEST 20 Marks

○ Numerical And Figurework Tests: (4 Marks)
These tests are reflections of fluency with numbers and calculations. It shows how easily a person can think with numbers. The subject will be given a series of numbers. His/Her task is to see how the numbers go together to form a relationship with each other. He/She has to choose a number which would go next in the series.

○ Verbal Analysis And Vocabulary Tests: (6 Marks)
These tests measure the degree of comfort and fluency with the English language. These tests will measure how a person will reason with words. The subject will be given questions with alternative answers, that will reflect his/her command of the rule and use of English language.
Visual And Spatial/3-D Ability Tests: (4 Marks)
These tests are used to measure perceptual speed and acuity. The subject will be shown pictures where he/she is asked to identify the odd one out; or which comes next in the sequence or explores how easily he/she can see and turn around objects in space.

Abstract Reasoning Tests: (6 Marks)
This test measures the ability to analyse information and solve problems on a complex, thought based level. It measures a person’s ability to quickly identify patterns, logical rules and trends in new data, integrate this information, and apply it to solve problems.

Reference: 1. Lecture Notes on Land Records Modernisation Programme, Survey of India Chapter I-IV
2. Class X level mathematics