

**INDICATIVE SYLLABUS FOR THE POST OF SUPERVISOR (PROJECT CIVIL)**  
**ADVERTISED VIDE NOTIFICATION NO. 05/2025**

The Written Test shall comprise of objective-type-Multiple-choice questions with 100 questions in total. It would consist of two parts; i.e., Part A and Part B. The test will be held for 100 minutes duration (in one sitting) with the following pattern:

- Part A: Aptitude
- Part B: Discipline-specific

Indicative syllabus for each part is as under:

**Part A: Aptitude**

- **Quantitative Aptitude:** Profit & Loss, Percentages, Ratio & Proportion, Averages, Time & Work, Time, Speed & Distance, Boats & Streams, Simple & Compound Interest, Number System, Algebra, Geometry, Mensuration, Trigonometry, Data Interpretation, Simplification, Surds & Indices, Probability & Statistics, Permutation & Combination, Mixture & Allegation
- **Logical Reasoning:** Analogy, Coding-Decoding, Number/Alpha-Numeric Series, Seating Arrangement, Blood Relations, Syllogism, Direction Sense, Venn Diagram, Odd One Out, Mathematical Operations, Non-Verbal Reasoning, Dictionary Sequence, Counting Figures
- **English:** Idioms & Phrases, One Word Substitution, Sentence Correction, Error Spotting, Fill in the Blanks, Spelling Correction, Reading Comprehension, Synonyms & Antonyms, Sentence Rearrangement and Sentence Improvement.

**Part B: Discipline-Specific**

- Engineering Drawing & CAD/AutoCAD Basics, GIS tools, contour mapping, cartography, PV Case, and MS Office.
- Building Materials & Concrete Technology (materials, concrete properties, cube and standard tests as per IS 383, IS 10262, IS 13311 (Part 1 & 2)).
- Surveying & Site Layout (chain, compass, levelling, total station).
- Estimating, Costing & Valuation (BOQ, rate analysis, bills).
- Soil Mechanics & Foundations (soil properties, compaction, bearing capacity as per IS 2911, IS 1904).
- Highway & Transportation Engineering (pavements, alignment, drainage).
- Structural Engineering (SFD/BMD, loads, elasticity basics, loading as per IS 875, IS 1893).
- RCC & Steel Design (foundations, beams, slabs, columns, trusses as per IS 800, IS 456).

- Environmental Engineering (water supply as per IS 1172, sewerage as per IS 2470, pollution control).
- Construction Management & Safety (site safety, equipment, disaster management).