

Revised Syllabus for Written Test and Selection Criteria for recruitment to the post of Senior Technician (Civil Engineering), Pay Level - 04	
Part – A (General)	Part – B (Post Related)
<p>General Paper:</p> <p>1. Maths & Numerical Ability: Averages, Profit and Loss, Time and Work, Simple Interest, Compound Interest, Decimal Fractions, Problems on Numbers, Square Root and Cube Root, Time and Distance, Simplifications, Problems on H.C.F and L.C.M, Numerical Computation etc. (Upto 10th Standard)</p> <p>2. Logical Reasoning- Number Series Compilation, Missing Number Finding, Continuous Pattern Series, Matching Definitions, Missing Character Finding, Odd Man Out, Blood Relations, Coding And Decoding, Logical Sequence Of Words, Arithmetic Reasoning, Letter and Symbol Series, Numerical Reasoning, Data Reasoning and Data Interpretation. etc.</p> <p>3. Language & Comprehension: Antonyms, Synonyms, Spelling Check, Common Error Detection, One word substitute, correct option, Grammatical error, Change of voice, Narration, Idioms and Phrases, English Grammar, Sentence Correction and Completion, Paragraph Summary, Reading Comprehension & Inferences, Spotting Errors, Sentence Improvement, Communication Skills, Sentence Formation.</p> <p>4. General knowledge and Current Affairs-- Indian History, Indian Economy, Indian Culture, Indian Polity, Indian Constitution, Indian Geography, Environmental Science, Awards and Honors, Famous Personalities, Days And Years, Basic General Knowledge, Current Affairs, Government Schemes, etc. upto 10th standard.</p> <p>5. Computer Fundamentals, MS Word, MS Excel, Power Point, Internet, Email System, etc.</p>	<p>(A) Physics, Chemistry, Mathematics and Computer Science upto 12th Standard</p> <p>(B) 1. Surveying and Compass survey: Introduction, principles of chain survey, Types of chains and tapes. Direct and Indirect ranging, Instrument and its setting up, Bearing and each included angle of close traverse. Local attraction. Magnetic declination and its true bearing.</p> <p>2. Levelling and Contouring: Principle of levelling, Levelling staffs, its graduation & types. Temporary and permanent adjustment. Level & horizontal surface. Datum Benchmark, Focusing & parallax Deduction of levels/Reduced Level. Types of leveling, Application to chain and Levelling Instrument to Building construction. Reciprocal leveling, Contour gradient, Uses of Contour plan and Map. Application of contouring for road project.</p> <p>3. Theodolite survey, Total Station and GPS (Global Positioning System): Types of theodolite. Uses, Methods of Plotting. Adjustment of theodolite, Introduction of GPS system. Definition and application of Remote sensing.</p> <p>4. Water supply Systems of sanitation: Various types of water supply pipes and fittings. Material specification. Type of overhead and underground water tanks. Basic concept, terminology and process used in Water treatment plant, System of house drainage, plumbing, sanitary fittings, etc. Types of sewer appurtenance, Systems of plumbing. Type of sewage disposals. Manholes, soak pit & Septic tank.</p>

Scheme of Examination	Selection Criteria	Instructions (General Paper / Post Related)	Proficiency Test
<p><u>Part A - General Paper:</u> Questions - 50 Marks - 50 Duration: 01 Hour</p> <p><u>Part B - Post Related Paper:</u> Questions - 50 Marks - 50 Duration: 1:30 Hour</p>	<p>1. Written Test (Part-A): Qualifying in Nature for evaluation of part B. Qualifying marks to be decided on the basis of performance of the candidates.</p> <p>2. Written Test (Part-B): Merit list will be drawn on the basis of score of the candidate</p> <p>3. Proficiency Test: The Candidates shortlisted based on the Written Test (Part B) will be called for Proficiency Test, to be conducted after the Document Verification process.</p>	<p>1. This Part will comprise of objective-type questions with one correct answer.</p> <p>2. One (1) mark will be awarded for each correct answer & minus one fourth (- 1/4) mark for each incorrect answer.</p> <p>3. The unanswered questions will not attract negative marks.</p>	<p>The syllabus of the Proficiency Test will be shared with the shortlisted candidates.</p>