Revised Syllabus for Written Test and Selection Criteria for recruitment to the post of Technician (Electronics & Communication Engineering), Pay Level - 03

Part – A (General)	Part – B (Post Related)
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) **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. **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. **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. **5. Computer Fundamentals,** MS Word, MS Excel, Power Point, Internet, Email System, etc.	**(A)** Physics, Chemistry, Mathematics and Computer Science upto12th Standard **(B)** 1. Familiarization with the operation and use of various instruments, like Ammeters, Voltmeters, Multi-meter, CRO, DSO, Function Generator, Regulated Power Supply etc. 2. PN junction diode, Zener diode, LED, LASER etc.. 3. BJT and FET based (CE, CB and CE) amplifiers. 4. Diode based circuits like Rectifiers, Clippers, Clampers etc. 5. Verification of digital logic functions and implementation of various digital Logic Circuits. 6. Functioning and implementation of various OPAMP based circuits, converters etc. 7. Recognition and use of various types of connectors RJ-45, RJ-11, BNC, SCST, SMA, VGA, DP and HDMI, making of cross cable and straight cable and their testing with LAN Tester etc. 8. Identify the IP address (with commands) of a workstation and the class of the address and configure the IP Address on a workstation (in Windows and Linux (RHEL, CentOS)) 9. Basics, functioning, implementation (using atleast by MATLAB) and coding various analog and digital communication based techniques/ circuits.

Scheme of Examination	Selection Criteria	Instructions (General Paper / Post Related)	Proficiency Test
Part A - General Paper: Questions - 50 Marks - 50 Duration: 01 Hour **Part B - Post Related Paper:** Questions - 50 Marks - 50 Duration: 1:30 Hour	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. 2. Written Test (Part-B): Merit list will be drawn on the basis of score of the candidate 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.	1. This Part will comprise of objective-type questions with one correct answer. 2. One (1) mark will be awarded for each correct answer & minus one forth (- 1/4) mark for each incorrect answer. 3. The unanswered questions will not attract negative marks.	The syllabus of the Proficiency Test will be shared with the shortlisted candidates.