

Revised Syllabus for Written Test and Selection Criteria for recruitment to the post of Senior Technician (Computer Science and 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 upto 12th Standard</p> <p>(B)</p> <p>1. Computer Hardware: Microprocessors architectures, types of CPUs, Processor technologies, Pins/Sockets, RAM, ROM, Cache Memory, Buffer Memory, Virtual Memory, BIOS setup, upgrade and security, Motherboards types, chipsets, expansion slots, and other components, Switch Mode Power supplies, hard drives, Interface, Data storage technique, interfaces: LED, LCD, DVI, HDMI, VGA etc., multimedia, Portable Computing, Mobile Devices, Printers.</p> <p>2. Operating Systems: Windows System administration, OS installation methods, Safe Mode, Safe Mode Boot options, Last Known Good Configuration etc., Windows Diagnostic Tools, System Restore, Creating Restore point, restore using Restore point, etc., Windows Recovery tools and methods. Backup/Recovery and Restore procedures in windows and other operating systems. Linux Operating System. Difference between Windows and Linux OS, Installation of Linux OS, Boot Loaders, Kernel. Shells, utilities etc., Linux Administration Basics Installation of various Packages in Linux, Linux Networking, Configuration of basic networking services in Linux</p> <p>3. Application Softwares: Installation of Microsoft Office, MS Teams, Basic operating of Word Processing, Creating, opening and closing Documents, use of shortcuts, Creating and Editing of Text, Formatting the Text, Insertion & creation of Tables. Basics of Excel worksheet, understanding basic commands, creating simple worksheets, understanding sample worksheets, use of simple formulas and functions, Printing of simple excel sheets.</p>

4. Programming: Basic Programming in Python/C language.

5. Web Technology Fundamentals of Web: Internet Web Servers, Form controls, Cascading Style sheets, inline, embedded and external style sheets, Building CSS menu, Creating user style sheets, Server side and client side scripting, Programming in Java Script.

6. Databases: Database system, Relational databases Database system, ER-Diagram

7. Computer Networking: Network Topologies: Type of Networks and Internet, Media Types, Network Equipments Types and functions: Hubs, Switches, Routers, Modems, Transceivers, Firewalls, Wireless Controllers, Access Points. TCP/IP, Ethernet, Wi-Fi, Bluetooth, Mobile Networking.

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>