Detailed syllabus for Level I for Junior Technical Superintendent CSE and Systems.

(Advt. No. IITPKD/R/NF/01/2021 Dated 03 Feb 2021 & Advt. No: IITPKD/R/NF/01/2020 Dated 15 Apr 2020)

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1. Computer Science

Basic Computer Science & Engineering (Inclusive of Programming, Operating systems, Data and File structures, System softwares), Computer Hardware and Networking, Software Engineering, Basics of Digital Electronics at Degree / MCA / M.Sc(CS) levels.

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2. General Knowledge

Indian History, Heritage, Famous Days & Dates. Rivers, Lakes and Seas. Civics. Inventions and Discoveries. Famous Places in India. Famous Books & Authors. Geography. Biology. Environmental Issues. Indian Politics. Current Affairs. Literature. Tourism. General Science. Indian Economy. Indian Parliament. Artists. Countries and Capitals. Sports. Natural Resources, Indian Agriculture, Trade & Commerce, Population, Education, Social Issues, Commerce.

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3. Computer Knowledge

Word Processor, Data Transfer, Spreadsheet, Computer organization, Presentation tools, Software Installation, Various Office Suites including LibreOffice, The Hardware of Computers, Internet, basic commands.

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4. Current Affairs

National Issues, Indian Economy, Indian Polity, Judiciary, Environment, Science and Technology, States, Social Schemes, Sports News, Reports, Committee and Commission, Awards and Honours, Accident and calamities, First in India, Important Summits & Events etc.

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5. Logical Reasoning

Analogy, Cubes and Dice, Decision Making, Data Interpretation, Blood Relations, Coding-Decoding, Number Series, Statements & Conclusions, Number Ranking, Clocks & Calendars, Mirror Images, Embedded Figures, Alphabet Series, Syllogism, Directions, Non-Verbal Series, Statements & Arguments, Arithmetical Reasoning.

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6. Mathematical / Aptitude Test

Geometry. Least Common Multiple (LCM) & Highest Common Factor (HCF). Compound Interest. Time & Work. Number System. Probability. Ratios & Proportions. Partnerships. Simplifications. Simple Interest. Discounts. Percentages. Problems on Ages. Problems on squares, cubes. Allegations & Mixtures. Time & Distance. Boats & Streams. Fundamental Operations. Profit & Loss. Averages. Mensuration. Permutations & Combinations.