

भारतीय सूचना प्रौद्योगिकी अभिकल्पना एवं विनिर्माण संस्थान कर्नूल



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY  
DESIGN AND MANUFACTURING KURNOOL**

(An Institute of National Importance under Ministry of Education, Govt. of India)

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**RECRUITMENT OF JUNIOR TECHNICIAN(CSE)**

**EXAMINATION SYLLABUS VIDE RECRUITMENT NOTIFICATION**

**NUMBER: IIITDMK/7/1/2023.Admn.Staff.Rec dated:04.10.2023**

**Syllabus of Examination**

**Level 1: (Screening Exam)**

**Aptitude:** Averages, Number Systems, Profit and Loss, Time and Work, Problems on Trains, Compound Interest, Decimal Fractions, Calendar, Area, Problems on Numbers, Square Root and Cube Root, Boats and Streams, Probability, Interest, Percentage, Ratio, Time and Distance, Problems on Ages, Partnership, Clock, Simplifications, Volume and Surface, Problems on H.C.F And L.C.M, Logarithm, Chain Rule, Pipes and Cistern, Odd Man Out and Series, Height and Distance.

**Reasoning:** Number Series Compilation, Missing Number Finding, Continuous Pattern Series, Direction Sense Test, Puzzle, Verbal Classification, Matching Definitions, Logical Deduction, Series Compilations, Classification, Missing Character Finding, Odd Man Out, Blood Relations, Analogy, Coding And Decoding, Truth Verification of The Statement, Syllogisms, Analogies, Verbal Reasoning, Statement And Conclusions, Letter And Symbol Series, Logical Problems, Logical Sequence Of Words, Arithmetic Reasoning, Data Sufficiency and Numerical Ability.

**General English:** Antonyms, Synonyms, Spelling Check, Change of Voice, Spotting Errors, Sentence Improvement, One Word Substitute, Selecting Words, Sentence Corrections, Idioms and Phrases, Communication Skills, Common Error Detection, Sentence Compilation, Ordering of Words, Ordering of Sentences, Verbal Analogies, Sentence Formation, Completing Statements, Change of Speech.

**Data Interpretation:** Pie Chart, Bar Chart, Line Chart, Table Chart and their interpretations.

**General Knowledge:** Indian History, Indian Economy, Indian Culture, Environmental Science, Awards And Honors, Famous Places In India, World Organization, Sports, Books And Authors, Famous Personalities, Days And Years, World Geography, Basic General Knowledge, Physics, Biology, Indian Politics, Indian Geography, General Science, Chemistry, Technology, Inventions, Current Affairs.

**Computer Fundamentals:** Components of computer, Input and output devices, Operating Systems, Word processing software, data representations and conversions.

## **Level 2:**

**System maintenance and troubleshooting**– Windows and Linux OS installation procedures – Dual boot – Reserving space for User/ System while installing OS – Trouble shooting issues related to OS, device drivers – Installing packages through aptget install – using GUI

**Networking** – Creating LAN using switches – understanding switching tables – Networking commands – ping, net con fig, IP lookup, trace route – IP settings – DHCP – DNS – Wi-Fi settings – Wired LAN – Wireless LAN – Access points, Firewalls, Access Policies.

MIS, Databases, Database packages, Database configurations, features of SQL. SQL/PSQL

MOODLE, MOOCs and ICT Tools.

Programming: C or C++ and JAVA, Web Programming

## **Level 3:**

Practical test based on the above (Level-2) topics.