

EXAM SYLLABUS

JKPSI Telecommunication Syllabus 2025

2 subjects · 56 topics · 120 min · 200 marks

JKPSI Telecommunication Syllabus 2025: Get the latest official syllabus for JKPSI Telecommunication exam, including important topics, recommended books, and weightage. Prepare effectively with our detailed guide.

WHAT TO STUDY FIRST

Begin your preparation for the JKPSI Telecommunication exam by focusing on Part A, which covers General Awareness, Aptitude, and Communication. These sections often carry significant weightage and provide a foundational understanding. After gaining a solid grasp of Part A, move on to Part B, the Technical/Professional Knowledge section. Prioritize topics that are frequently tested or carry higher marks as indicated in the official syllabus. Refer to standard textbooks and official JKSSB/JKPSC notifications for precise details on recommended books and important topics.

EXAM PATTERN

120 min · 100 questions · 200 marks · MCQ / Objective

Sub-Inspector (Telecommunication) Written Examination

Marking: Each question carries 02 marks. There is a negative marking of 0.5 marks for each incorrect answer.

Negative: 0.5 marks deducted for each wrong answer.

PART – A: General Awareness, Aptitude & Communication

60 marks

MCQ

PART – B: Technical / Professional Knowledge

140 marks

MCQ

- Objective type, Multiple Choice Questions (MCQs).
- Written examination is followed by Physical Standard Test (PST) & Physical Endurance Test (PET), Document Verification & Medical Examination.
- Negative marking is applicable.
- The examination will be conducted in English.
- Detailed syllabus is available for both General and Technical sections.

SUBJECT-WISE SYLLABUS

01 Part A: General Awareness, Aptitude & Communication

29 topics · 60 Marks

RECOMMENDED BOOKS

- NCERT Books for General Studies
- Lucent's General Knowledge
- Newspapers for Current Affairs

- 1 General Knowledge & Current Affairs
- 2 Major national and international events

- 3 Indian economy: budget, flagship schemes, reforms
- 4 Developments in science & technology
- 5 Space, defence and nuclear programmes
- 6 Indian Polity: Preamble, Fundamental Rights & Duties, Directive Principles
- 7 Disaster Management, Climate change
- 8 General Knowledge with Special Reference to J&K UT
- 9 History of Jammu & Kashmir
- 10 Geography: rivers, lakes, climate, soils
- 11 Flora & fauna
- 12 Culture, heritage & important places
- 13 General English & Communication Skills
- 14 Basics of professional communication
- 15 Official drafting
- 16 Email etiquette
- 17 Technical terminology
- 18 General Intelligence & Reasoning
- 19 Analogies
- 20 Number and letter series
- 21 Coding-decoding
- 22 Venn diagrams
- 23 Syllogisms
- 24 Blood relations
- 25 Logical reasoning and pattern recognition
- 26 Basic Numeracy
- 27 Ratio and proportion
- 28 Percentage
- 29 Time and Work

02 Part B: Technical / Professional Knowledge

27 topics · 140 Marks

RECOMMENDED BOOKS

— Standard engineering textbooks for each subject (e.g., Electronic Devices and Circuit Theory by Boylestad, Digital Logic and Computer Design by Morris Mano)

— Official JKSSB/JKPSC study material if available

- 1 Engineering Mathematics & Signal Fundamental
- 2 Electronic Devices, Analog Circuits & Network Theory

- 3 Semiconductor devices (diodes, transistors, FETs)
- 4 Amplifiers and oscillators
- 5 Operational amplifiers (Op-Amps)
- 6 Network theorems (Thevenin, Norton, Superposition)
- 7 Digital Electronics & Microprocessors
- 8 Number systems and logic gates
- 9 Combinational and sequential circuits
- 10 Microprocessor architecture and programming
- 11 Communication System
- 12 Analog and digital communication
- 13 Modulation/demodulation (AM, FM, PM)
- 14 Bandwidth, noise, and SNR
- 15 Transmitters and receivers
- 16 Antenna basics
- 17 Radio wave propagation
- 18 Computer Science & Networking Systems
- 19 Data structures and algorithms
- 20 Operating systems
- 21 Database Management Systems (DBMS)
- 22 Computer networks (TCP/IP, OSI model)
- 23 Network topologies and protocols
- 24 Cyber Security & Legal Framework
- 25 IT System & e-Governance
- 26 IoT, Embedded System & Mechatronics
- 27 Artificial Intelligence, Data Science & Automation

2 subject(s), 56 topics listed above. Verify critical details with the official exam notification before applying.