

SSC JE Syllabus 2026: Complete Syllabus & Exam Pattern for Paper 1 and 2

SSC JE Syllabus 2026 और Exam Pattern की जानकारी Staff Selection Commission (SSC) Junior Engineer Examination की तैयारी करने वाले उम्मीदवारों के लिए बहुत महत्वपूर्ण है। परीक्षा की बेहतर तैयारी के लिए उम्मीदवारों को यह जानना जरूरी है कि Paper-I और Paper-II में कौन-कौन से subjects शामिल हैं, कितने questions पूछे जाते हैं, कुल कितने marks होते हैं और परीक्षा के लिए कितना समय दिया जाता है।

इस लेख में हम आपको **SSC JE Syllabus 2026** और **SSC JE Exam Pattern 2026** की पूरी जानकारी आसान भाषा में देंगे। यहां आपको SSC JE Paper-I और Paper-II का Exam Pattern, General Intelligence & Reasoning, General Awareness तथा Civil, Electrical, Mechanical और अन्य Engineering Subjects का detailed syllabus मिलेगा।

यदि आप SSC Junior Engineer की तैयारी कर रहे हैं और **SSC JE Paper 1 Syllabus 2026** तथा **SSC JE Paper 2 Syllabus 2026** को विस्तार से समझना चाहते हैं, तो यह लेख आपके लिए उपयोगी रहेगा। Official Notification के अनुसार Engineering subjects का standard Civil, Mechanical और Electrical के लिए लगभग Diploma level का है, जबकि Computer Science & Information Technology, Electronics & Telecommunication Engineering, Physics और Telecommunication के लिए प्रश्न लगभग Graduation level के होंगे।

इस लेख में क्या-क्या है

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SSC JE 2026 Official Notification & Syllabus PDF

SSC Junior Engineer Examination 2026 से संबंधित syllabus, exam pattern, eligibility, vacancies, selection process और अन्य महत्वपूर्ण जानकारी के लिए Staff Selection Commission का official notification देखें।

[View Official Notification](#)

SSC JE Syllabus 2026 Overview

SSC JE Syllabus 2026 को मुख्य रूप से Paper-I और Paper-II के अनुसार समझा जा सकता है। दोनों papers Computer Based Examination के रूप में आयोजित किए जाएंगे। Paper-I में General Intelligence & Reasoning, General Awareness और उम्मीदवार की qualification के अनुसार संबंधित Engineering Subject शामिल होता है। Paper-II में केवल संबंधित Engineering/Subject से जुड़े questions पूछे जाते हैं।

SSC JE 2026 में Engineering subjects को अलग-अलग Parts में बांटा गया है। Civil Engineering के लिए Part-A, Electrical Engineering के लिए Part-B और Mechanical Engineering के लिए Part-C निर्धारित है। Scientific Assistant in IMD के लिए Computer Science & Information Technology,

Electronics & Telecommunication Engineering या Physics में से संबंधित subject चुना जाता है, जबकि JE (Telecom) के लिए Part-G Telecommunication Engineering है।

2 Paper	200 Paper-I Marks	300 Paper-II Marks	2 Hours Exam Duration
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Important: Paper-I qualifying in nature है। Paper-I के normalized marks के आधार पर candidates को Paper-II के लिए shortlist किया जाता है, जबकि final merit के लिए केवल Paper-II के normalized marks को consider किया जाता है।

SSC JE Paper 1 Syllabus 2026

SSC JE Paper 1 Syllabus 2026 में तीन प्रमुख sections शामिल हैं—General Intelligence & Reasoning, General Awareness और उम्मीदवार की Essential Qualification के अनुसार Engineering Subject। Paper-I में General Intelligence & Reasoning और General Awareness सभी candidates के लिए compulsory हैं। इसके अलावा उम्मीदवार को अपनी qualification के अनुसार संबंधित Part-A से Part-G में से subject attempt करना होता है।

50 Reasoning Questions	50 General Awareness	100 Engineering Questions	200 Total Marks
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SSC JE General Intelligence & Reasoning Syllabus

General Intelligence & Reasoning में verbal और non-verbal दोनों प्रकार के questions शामिल होंगे। इस section का उद्देश्य candidate की logical thinking, analysis, observation, decision-making और विभिन्न concepts के बीच relationship समझने की क्षमता को test करना है।

Topic Analogies	Topic Similarities and Differences	Topic Space Visualization
Topic	Topic	Topic

Problem Solving	Analysis	Judgment
Topic Decision Making	Topic Visual Memory	Topic Discrimination
Topic Observation	Topic Relationship Concepts	Topic Arithmetical Reasoning
Topic Verbal Classification	Topic Figure Classification	Topic Arithmetical Number Series
Topic Abstract Ideas & Symbols	Topic Arithmetical Computations	Topic Analytical Functions

SSC JE General Awareness Syllabus

General Awareness section में candidate की अपने आसपास के environment और society से संबंधित सामान्य जागरूकता को test किया जाएगा। इसमें current events तथा everyday observations और उनके scientific aspects से जुड़े questions भी शामिल हो सकते हैं।

इसके अलावा India और उसके neighbouring countries से संबंधित सामान्य जानकारी पर भी questions पूछे जा सकते हैं। Official syllabus में विशेष रूप से History, Culture, Geography, Economic Scene, General Polity और Scientific Research जैसे areas का उल्लेख किया गया है।

Topic Current Events	Topic India and Neighbouring Countries	Topic History
Topic Culture	Topic Geography	Topic Economic Scene
Topic General Polity	Topic Scientific Research	Topic Everyday Scientific Observations

SSC JE Paper 2 Syllabus 2026

SSC JE Paper 2 Syllabus 2026 में candidate द्वारा Online Application Form में चुने गए Engineering/Subject से संबंधित questions पूछे जाएंगे। Paper-II के लिए वही Part-A, Part-B, Part-C, Part-D, Part-E, Part-F या Part-G लागू होगा जो candidate ने अपनी Essential Qualification के अनुसार चुना है।

Paper-II में General Intelligence, General Awareness जैसे common subjects नहीं होते। इसमें candidate की संबंधित Engineering या subject knowledge का detailed test किया जाता है। इसलिए Paper-II की तैयारी के लिए अपने branch-wise syllabus के प्रत्येक topic को अच्छी तरह समझना जरूरी है।

Note: Online Application Form भरते समय चुना गया subject/stream बाद में बदला नहीं जा सकता।
Candidates को अपनी educational qualification के अनुसार subject carefully select करना चाहिए।

SSC JE Civil Syllabus 2026

SSC JE Civil Syllabus 2026 में Civil & Structural Engineering से संबंधित subjects शामिल हैं। Official syllabus में Engineering Mechanics, Solid Mechanics, Structural Analysis, Construction Materials and Management, Estimating, Costing and Valuation, Concrete Structures, Steel Structures, Surveying, Soil Mechanics, Fluid Mechanics, Hydraulics, Hydrology, Irrigation, Environmental Engineering और Transportation Engineering जैसे प्रमुख subjects शामिल हैं।

Paper-II में Civil Engineering के इन subjects को detailed topics के साथ पूछा जाएगा। Candidates को concepts के साथ numerical और application-based questions की तैयारी भी करनी चाहिए।

SSC JE Civil Syllabus Topics

1. Engineering Mechanics

System of forces, free-body diagrams, equilibrium equations, internal forces in structures, friction and its applications, centre of mass and moment of inertia.

2. Solid Mechanics

Bending moment and shear force in statically determinate beams, simple stress and strain relationships, simple bending theory, flexural and shear stresses, uniform torsion, buckling of column, combined and direct bending stresses.

3. Structural Analysis

Statically determinate and indeterminate structures, method of superposition, analysis of trusses, arches, beams, cables and frames, slope deflection method, moment distribution method and influence lines.

4. Construction Materials and Management

Bricks, stones, timber, steel, cement, aggregates, plastics, polymers, glass, concrete, concrete mix design and testing of concrete. Construction projects, project planning, network analysis, PERT and CPM.

5. Estimating, Costing and Valuation

Fundamentals of estimating, cost estimates for works, rate analysis, valuation and detailed estimates.

6. Concrete Structures

Working stress and Limit State design concepts, design of beams, slabs and columns, foundations and retaining walls, bond and development length.

7. Steel Structures

Working stress and Limit State design concepts, bolted connections, welds, design of tension members, compression members and beams, and concept of plastic analysis of beams and frames.

8. Surveying

Principles of surveying, errors and their adjustment, maps and scale, coordinate system, distance and angle measurement, chain and compass survey, plane table surveying, levelling, trigonometric levelling, traversing, triangulation, Total Station, tachometric surveying, theodolite surveying and advanced surveying equipment.

9. Soil Mechanics

Three-phase system and phase relationships, index properties, Unified and Indian Standard soil classification, permeability, seepage, flow nets, uplift pressure, piping, capillarity, seepage force, effective stress, quicksand condition, compaction, consolidation, shear strength, Mohr's circle and stress-strain characteristics of clays and sand.

10. Fluid Mechanics

Properties of fluids, fluid statics, continuity, momentum and energy equations, laminar and turbulent flow, flow in pipes, pipe networks and concept of lift and drag.

11. Hydraulics

Forces on immersed bodies, flow measurement in channels and pipes, energy-depth relationships, specific energy, critical flow, hydraulic jump and uniform flow.

12. Hydrology

Hydrologic cycle, precipitation, evaporation, evapotranspiration, watershed, infiltration, unit hydrographs, hydrograph analysis, reservoir capacity, flood estimation and routing, groundwater hydrology, well hydraulics, aquifers and application of Darcy's Law.

13. Irrigation

Types of irrigation systems and methods, crop water requirements, duty, delta, evapotranspiration, gravity dams, spillways, lined and unlined canals and cross drainage structures.

14. Water and Wastewater Quality and Treatment

Physical, chemical and biological water quality parameters, water quality index, unit processes and operations, water requirement, water distribution systems, drinking water treatment, sewerage system design, domestic wastewater, primary and secondary treatment, effluent discharge standards, sludge disposal and reuse of treated sewage.

15. Air Pollution

Types of pollutants, their sources and impacts, air pollution control, air quality standards, Air Quality Index and prescribed limits.

16. Municipal Solid Wastes

Characteristics, generation, collection and transportation of solid wastes and engineered systems for solid waste management including reuse, recycling, energy recovery, treatment and disposal.

17. Transportation Infrastructure

Geometric design of highways including cross-sectional elements, sight distances, horizontal and vertical alignments. Geometric design of railway track including speed and cant.

18. Highway Pavements

Highway materials, desirable properties and tests, bituminous paving mixes, design factors for flexible and rigid pavements and pavement design using IRC codes.

19. Traffic Engineering

Traffic studies on flow and speed, peak hour factor, accident study, fundamental relationships, traffic signs, signal design by Webster's method, types of intersections and highway capacity.

SSC JE Electrical Syllabus 2026

SSC JE Electrical Syllabus 2026 में Electrical Engineering के fundamental और advanced topics शामिल हैं। Official syllabus में Fundamentals of Electrical Engineering, Magnetic Circuits, A.C. Fundamentals, Measurement and Measuring Instruments, Electrical Machines, Special Electric Machines and Synchronous Generators, Generation, Transmission and Distribution, Estimation & Costing, Utilization of Electrical Energy, Basic Electronics और Power Electronics शामिल हैं।

SSC JE Electrical Syllabus Topics

1. Fundamentals of Electrical Engineering

Electrical circuit elements including resistors, capacitors, inductors and batteries, factors affecting their values and performance, voltage, current, power, energy, flux and their units.

2. Network Solution Methods

Kirchhoff's Current Law (KCL), Kirchhoff's Voltage Law (KVL), node analysis and mesh analysis.

3. Network Theorems

Thevenin's theorem, Norton's theorem, Superposition theorem and Maximum Power Transfer theorem.

4. Magnetic Circuits

Magnetic flux, reluctance, self and mutual inductance, magnetomotive force and magnetic circuits.

5. A.C. Fundamentals

RMS and average values of alternating waves, series and parallel A.C. circuits, resonance, balanced three-phase circuits, Star-Delta transformation, complex power and power factor in A.C. circuits.

6. Measurement and Measuring Instruments

Measurement of voltage, current, power and power factor, classification of instruments, types of errors, galvanometer, ammeter, voltmeter, wattmeter, Wheatstone bridge, Kelvin's double bridge, energy meter, Megger, electronic energy meter, CT, PT and their uses.

7. Electrical Machines

Single-phase and three-phase transformers, DC machines, types and characteristics of DC machines, losses, efficiency and applications. Single-phase and three-phase induction motors, starting, speed control, electrical braking and torque-speed characteristics.

8. Special Electric Machines and Synchronous Generators

Fractional motors, servomotors, armature reaction, parallel operation of generators and synchronization.

9. Generation, Transmission and Distribution

Types of power stations, load factor, demand factor, diversity factor, power factor and its improvement, transmission and distribution lines, transmission line parameters, corona effect, Ferranti effect, circuit breakers, protection of generators and transformers, coaxial cables, ratings and efficiency.

10. Estimation & Costing

Estimation of lighting schemes, electrical installation of machines, relevant IE Rules and earthing practices.

11. Utilization of Electrical Energy

Illumination, electric heating, electric welding, electroplating, electric traction and drives.

12. Basic Electronics

P-N junction diodes, rectifiers and wave-shapers, clipping, clamping, BJT and FET transistors, transistor characteristics, amplifiers and oscillators.

13. Power Electronics

Static V-I characteristics of thyristor, firing and gating circuits for thyristor, DC to DC conversion including Buck, Boost and Buck-Boost converters, and single-phase half-controlled, full-controlled and midpoint-controlled rectifiers.

SSC JE Mechanical Syllabus 2026

SSC JE Mechanical Syllabus 2026 में Engineering Mechanics, Strength of Materials, Theory of Machines, Machine Design, Materials Science and Engineering, Thermal Engineering, Fluid Mechanics and Hydraulic Machinery, Industrial Engineering, Manufacturing Engineering, Metrology and Measurement तथा Advanced Manufacturing Processes शामिल हैं।

SSC JE Mechanical Syllabus Topics

1. Engineering Mechanics

Free body diagrams, equilibrium, resultant of forces, Lami's theorem, laws of friction, sliding and rolling friction, centroid of geometrical plane figures and centre of gravity of simple solids.

2. Strength of Materials

Simple stress and strain, types of beams, shear force and bending moment, simple bending and deflection of beams, torsion of shafts and thin cylindrical shells.

3. Theory of Machines

Cams and followers, belt, chain and rope drives, gear drives, gear trains, flywheels and governors, balancing and vibration, brakes, dynamometers, clutches and bearings.

4. Machine Design

Types of loads and stresses, creep and fatigue, theories of failure, cotter joint, knuckle joint, lever and crank, antifriction bearing, sunk key, shaft, couplings, spur gear, power screw, springs, screw fasteners, bolted joints and welded joints.

5. Materials Science and Engineering

Crystal structure and bonds, Iron-Carbon phase diagram, heat treatment of steel, types of cast iron and steels, major non-ferrous alloys, material properties and testing, non-destructive testing and corrosion.

6. Thermal Engineering

Sources of energy, laws of thermodynamics, thermal power plant, heat pump, heat engine and refrigerator, steam generators, impulse and reaction steam turbines, cooling tower, internal combustion engines, air compressor, refrigeration and air conditioning, gas turbine, jet propulsion, properties of steam, steam nozzle, heat transfer and heat exchanger.

7. Fluid Mechanics and Hydraulic Machinery

Properties of fluid, fluid flow, flow through pipes, continuity equation, impact of jets on plates and curved vanes, hydraulic turbine and power plant, centrifugal pumps and reciprocating pumps.

8. Industrial Engineering

Site selection and plant layout, work study, work measurement, production planning and control, statistical quality control and inventory control.

9. Manufacturing Engineering

Manufacturing processes and related engineering concepts as prescribed in the official syllabus, including conventional and modern manufacturing practices.

10. Metrology and Measurement

Precision, accuracy, sensitivity, repeatability, range, calibration, linear and angular measurement, comparators, form and surface finish measurement, CMM, limits, fits and tolerances and interchangeability.

11. Advanced Manufacturing Processes

Jigs and fixtures, CNC milling machine and machining centre, PLC, special purpose machines, non-traditional machining processes such as EDM, ECM, AJM, LBM and EBM, fundamentals of CAD/CAM, industrial robot configurations and Flexible Manufacturing Systems (FMS).

SSC JE Computer Science & Information Technology Syllabus 2026

Scientific Assistant in IMD के लिए Computer Science & Information Technology एक available subject है। इसका standard approximately graduation level का होगा। **SSC JE Syllabus 2026** के इस Part में Engineering Mathematics से लेकर Computer Networks तक के advanced topics शामिल हैं।

Computer Science & IT Syllabus Topics

1. Engineering Mathematics

Discrete Mathematics including propositional and first-order logic, sets, relations, functions, partial orders, lattices, monoids, groups, graphs and combinatorics. Linear algebra, matrices, determinants, systems of linear equations, eigenvalues, eigenvectors and LU decomposition. Calculus including limits, continuity, differentiability, maxima and minima, mean value theorem and integration. Probability and statistics including random variables, probability distributions, mean, median, mode, standard deviation, conditional probability and Bayes' theorem.

2. Digital Logic

Boolean algebra, combinational and sequential circuits, minimization, number representations and computer arithmetic including fixed-point and floating-point representation.

3. Computer Organization and Architecture

Machine instructions and addressing modes, ALU, data-path and control unit, instruction pipelining, pipeline hazards, memory hierarchy including cache, main memory and secondary storage, I/O interface, interrupt and DMA mode.

4. Programming and Data Structures

Programming in C, recursion, arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps and graphs.

5. Algorithms

Searching, sorting, hashing, asymptotic worst-case time and space complexity, greedy algorithms, dynamic programming, divide-and-conquer, graph traversals, minimum spanning trees and shortest paths.

6. Theory of Computation

Regular expressions, finite automata, context-free grammars, push-down automata, regular and context-free languages, pumping lemma, Turing machines and undecidability.

7. Compiler Design

Lexical analysis, parsing, syntax-directed translation, runtime environments, intermediate code generation, local optimization and data flow analysis including constant propagation, liveness analysis and common subexpression elimination.

8. Operating System

System calls, processes, threads, inter-process communication, concurrency and synchronization, deadlock, CPU and I/O scheduling, memory management, virtual memory and file systems.

9. Databases

ER model, relational model, relational algebra, tuple calculus, SQL, integrity constraints, normal forms, file organization, indexing including B and B+ trees, transactions and concurrency control.

10. Computer Networks

OSI and TCP/IP protocol stacks, packet, circuit and virtual circuit switching, data link layer, framing, error detection, medium access control, Ethernet bridging, routing protocols, IPv4, CIDR, ARP, DHCP, ICMP, NAT, transport layer, UDP, TCP, sockets and application layer protocols including DNS, SMTP, HTTP, FTP and Email.

SSC JE Electronics & Telecommunication Syllabus 2026

Scientific Assistant in IMD के लिए Electronics & Telecommunication Engineering एक अलग subject option है। इसमें Electronics और Telecommunications दोनों sections शामिल हैं। **SSC JE Paper 2 Syllabus 2026** में इस subject के detailed topics के आधार पर questions पूछे जाएंगे।

Electronics Syllabus Topics

1. Electronic Materials & Components

Conductors, semiconductors, insulators, magnetic materials, passive components and characteristics of resistors, capacitors and inductors.

2. Diodes

PN junction diode, forward and reverse bias characteristics, equivalent circuits, Zener diode and applications, clipping, clamping and rectifier circuits using diodes.

3. Transistors

BJT, FET and MOSFET, biasing and stability, emitter follower and applications, negative feedback and transistor as a switch.

4. Amplifiers & Oscillators

Multistage amplifiers, feedback, oscillators, multivibrators and power amplifiers.

5. Voltage Regulation

Basic concepts and principles of voltage regulation.

6. Network Theorems

Kirchhoff's laws, Superposition theorem, Thevenin's theorem, Norton's theorem and Maximum Power theorem.

7. AC Circuits

Voltage and current relationships in resistance, inductance and capacitance, reactance, susceptance, conductance, impedance and admittance in series and parallel RL, RC and RLC circuits.

8. Three-Phase Circuits

Three-phase supply, star and delta connection diagrams and relation between line and phase voltages and currents.

9. Resonance

Series and parallel resonance circuits, condition of resonance, resonant frequency, Q factor and bandwidth.

10. Digital Electronics

Logic gates, De Morgan's theorem, Boolean algebra, digital logic circuits, systems and codes.

11. Sequential & Combinational Logic

Flip-flops, shift registers, frequency counters and combinational logic design.

12. Data Conversion & Codes

Basic concepts of Digital-to-Analog and Analog-to-Digital converters and timing circuits.

Telecommunications Syllabus Topics

1. Antennas

Basic antenna principle, directive gain, directivity, radiation pattern, broadside and end-fire arrays, Yagi antenna and parabolic antenna.

2. Radio Wave Propagation

Ground wave propagation, space waves and ionosphere propagation.

3. Electromagnetic Spectrum

Frequency spectrum and its basic classification.

4. Modulation

Modulation and its types, Amplitude Modulation (AM), modulation index, power relation in AM and generation and demodulation of AM.

5. Single Sideband

Power requirement compared with AM, advantages of SSB, balanced modulator, generation of SSB, pilot carrier system, independent side system and vestigial sideband transmission.

6. Frequency Modulation

Definition of FM, bandwidth, noise triangle, pre-emphasis and de-emphasis.

7. Pulse Modulation

Pulse modulation, difference between AM and FM, radio receivers, sampling theorem, PAM, PTM, PWM, PPM, pulse code modulation, quantization noise, companding, PCM system, differential PCM and Delta modulation.

8. Multiplexing

Frequency Division Multiplexing (FDM) and Time Division Multiplexing (TDM).

9. Digital Communication

PSK, ASK, FSK, introduction to fibre optics system, propagation of light in optical fibre and ray model.

10. RF Communications & Wireless Telecommunications

Propagation of signals at HF, VHF, UHF and microwave frequencies and satellite communications.

SSC JE Physics Syllabus 2026

Scientific Assistant in India Meteorological Department के लिए Physics भी एक available subject है। इसका standard approximately graduation level का होगा। **SSC JE Syllabus 2026** के Physics section में Mathematical Methods से लेकर Analog and Digital Electronics तक के topics शामिल हैं।

SSC JE Physics Syllabus Topics

1. Mathematical Methods

Calculus, integral calculus, differential equations, Fourier series, Taylor expansion, vector algebra, vector calculus, integral theorems, linear algebra, complex numbers, statistics and error analysis.

2. Mechanics

Classical mechanics and fundamental principles related to motion, forces and physical systems.

3. General Properties of Matter

Fundamental physical properties of matter and related concepts.

4. Oscillations

Basic principles and characteristics of oscillatory motion.

5. Waves

Wave motion and fundamental wave phenomena.

6. Optics

Fundamental concepts of geometrical and physical optics.

7. Electricity

Fundamental concepts and principles of electricity and electrical phenomena.

8. Magnetism

Magnetic fields, magnetic properties and fundamental laws of magnetism.

9. Kinetic Theory

Basic kinetic theory concepts and behaviour of matter at the microscopic level.

10. Thermodynamics

Fundamental laws and principles of thermodynamics.

11. Modern Physics

Fundamental concepts of modern physics and related physical phenomena.

12. Solid State Physics

Crystal structure, unit cell, lattice parameters, Bravais lattices, Miller indices, X-ray diffraction, Bragg's law, band theory, conductors, semiconductors, insulators, energy bands, Fermi energy and intrinsic and extrinsic semiconductors.

13. Semiconductor Devices

PN junction diode, diode characteristics, Zener diode and applications, rectifiers, bipolar junction transistors and CB, CE and CC configurations.

14. Analog and Digital Electronics

Single-stage amplifiers, two-stage RC-coupled amplifiers, oscillators, Barkhausen condition, operational amplifiers and applications, inverting and non-inverting amplifiers, integrator and differentiator, Boolean algebra, binary number system, number system conversion, binary addition and subtraction, logic gates and De Morgan's theorem.

SSC JE Telecommunication Syllabus 2026

SSC JE Telecommunication Syllabus 2026 Part-G के अंतर्गत आता है और यह Junior Engineer (Telecom) के लिए निर्धारित subject है। इसका standard approximately graduation level का होगा। इसमें Engineering Mathematics, Network Analysis, Signals and Systems, Electronic Devices, Analog Circuits, Digital Circuits, Control Systems, Analog Communications, Digital Communications और Electromagnetics शामिल हैं।

SSC JE Telecommunication Syllabus Topics

1. Engineering Mathematics

Linear Algebra, vector spaces, basis, linear dependence and independence, matrix algebra, eigenvalues and eigenvectors, rank, null space and solutions of linear equations. Calculus, differential equations, vector analysis, complex analysis, probability and statistics.

2. Network Analysis

Node and mesh analysis, Superposition theorem, Thevenin's theorem, Norton's theorem, Tellegen's theorem, sinusoidal steady-state analysis, phasors, complex power, maximum power transfer theorem, transient analysis of RL, RC and RLC circuits, Laplace transform and two-port network parameters.

3. Signals and Systems

Continuous-time signals, Fourier series, Fourier transform, Laplace transform, sampling theorem, convolution and inverse transforms. Discrete-time signals including DTFT, DFT and Z-transform.

4. Electronic Devices

Basic electronic devices and semiconductor concepts as prescribed for the Telecommunication Engineering subject.

5. Analog Circuits

Fundamental analog electronic circuits and their analysis as covered under the prescribed Telecommunication Engineering syllabus.

6. Digital Circuits

Digital logic and digital circuit concepts included in the Telecommunication Engineering syllabus.

7. Control Systems

Fundamental concepts of control systems and system analysis.

8. Analog Communications

Fundamental principles and concepts of analog communication systems.

9. Digital Communications

Fundamental concepts and techniques used in digital communication systems.

10. Electromagnetics

Fundamental concepts and principles of electromagnetic fields and their applications in communication engineering.

SSC JE Exam Pattern 2026

SSC JE Exam Pattern 2026 में दो Computer Based Papers शामिल हैं—Paper-I और Paper-II। Paper-I में General Intelligence & Reasoning, General Awareness और संबंधित Engineering Subject से questions पूछे जाते हैं। Paper-II में केवल संबंधित Engineering/Subject के questions होते हैं।

Paper-I में कुल 200 questions और 200 marks निर्धारित हैं, जबकि Paper-II में 100 questions और 300 marks होते हैं। दोनों papers की सामान्य duration 2 hours है। जिन eligible candidates को prescribed scribe facility मिलती है, उनके लिए examination duration 2 hours 40 minutes है।

SSC JE Paper 1 Exam Pattern 2026

SSC JE Paper 1 Exam Pattern 2026 के अनुसार Paper-I Computer Based Examination होगा। इसमें General Intelligence & Reasoning और General Awareness सभी candidates के लिए compulsory हैं। इसके अलावा candidate को अपनी Essential Qualification के अनुसार संबंधित Engineering Subject attempt करना होगा।

Subject	Questions	Maximum Marks
General Intelligence & Reasoning	50	50
General Awareness	50	50
Engineering Subject	100	100
Total	200	200

200	200	2 Hours	0.25
Total Questions	Total Marks	Duration	Negative Marks

Important: Paper-I qualifying in nature है। Paper-I के normalized marks का उपयोग Paper-II के लिए candidates को shortlist करने के लिए किया जाता है।

SSC JE Paper 2 Exam Pattern 2026

SSC JE Paper 2 Exam Pattern 2026 के अनुसार Paper-II भी Computer Based Examination होगा। इसमें candidate द्वारा Online Application Form में चुने गए संबंधित Engineering/Subject से कुल 100 questions पूछे जाएंगे। Paper-II के लिए maximum marks 300 हैं।

Subject	Questions	Maximum Marks
Related Engineering / Subject	100	300
Total	100	300

100	300	2 Hours	1
Total Questions	Total Marks	Duration	Negative Mark per Wrong Answer

SSC JE Marking Scheme & Negative Marking 2026

SSC JE 2026 में Paper-I और Paper-II दोनों Objective Type Multiple Choice Questions पर आधारित होंगे। गलत answer देने पर दोनों papers में अलग-अलग negative marking लागू होगी।

Paper	Correct Answer	Wrong Answer
Paper-I	+1 Mark	-0.25 Mark
Paper-II	+3 Marks	-1 Mark

Note: Paper-I और Paper-II में questions bilingual यानी Hindi और English में होंगे, except English Language section where applicable. SSC JE 2026 में Paper-I और Paper-II के marks, यदि examination multiple shifts में आयोजित होता है, तो निर्धारित normalization procedure के अनुसार normalize किए जाएंगे।

SSC JE Minimum Qualifying Marks 2026

SSC JE 2026 में Paper-I में minimum qualifying marks category के अनुसार निर्धारित हैं। इन marks को प्राप्त करना Paper-II के लिए shortlisting के लिए जरूरी है। Official Notice के अनुसार minimum qualifying marks इस प्रकार हैं:

Category	Minimum Qualifying Marks
UR	30%
OBC / EWS	25%
All Other Categories	20%

Minimum qualifying marks प्राप्त करने के बाद भी Paper-II के लिए shortlisting merit और Commission द्वारा निर्धारित criteria के अनुसार होगी। Paper-II के normalized marks final merit निर्धारित करने में महत्वपूर्ण भूमिका निभाते हैं।

SSC JE Selection Process 2026

SSC JE Selection Process 2026 में candidates को Computer Based Examination के दोनों papers से गुजरना होता है। Paper-I qualifying in nature है और इसके normalized marks के आधार पर candidates को Paper-II के लिए shortlist किया जाता है। Final selection और post/organization allocation में Paper-II के normalized marks तथा candidates द्वारा दी गई post/organization preference को consider किया जाता है।

SSC JE Selection Process 2026 को सामान्य रूप से इस प्रकार समझा जा सकता है:

- **Paper-I – Computer Based Examination**
- **Paper-II – Computer Based Examination**
- **Document Verification**
- **Final Selection / Post & Organization Allocation**

Important: Final merit के लिए केवल Paper-II के normalized marks को consider किया जाता है। Post और organization allocation candidate की merit, preference तथा संबंधित eligibility और post-specific requirements के अनुसार किया जाता है।

Staff Selection Commission Official Website

[View Official Website](#)

SSC JE Preparation Strategy 2026

SSC JE की तैयारी शुरू करने से पहले उम्मीदवार को अपने संबंधित **SSC JE Syllabus 2026** को पूरा समझ लेना चाहिए। Paper-I और Paper-II की preparation को एक साथ plan करना अधिक उपयोगी रहेगा, क्योंकि Paper-I में General sections के साथ Engineering Subject भी शामिल है और Paper-II पूरी तरह संबंधित subject पर आधारित है।

1

सबसे पहले पूरा syllabus समझें

तैयारी शुरू करने से पहले General Intelligence & Reasoning, General Awareness और अपने संबंधित Engineering Subject के सभी topics की list बनाएं। इससे preparation को सही तरीके से plan करने में मदद मिलेगी।

2 Engineering Subject को priority दें

Paper-I में Engineering Subject के 100 questions होते हैं और Paper-II पूरी तरह संबंधित subject पर आधारित होता है। इसलिए Civil, Electrical, Mechanical या अपने चुने हुए subject के concepts को मजबूत करना जरूरी है।

3 Concept और Numerical दोनों पर ध्यान दें

Engineering subjects में केवल theory पढ़ना पर्याप्त नहीं है। Important concepts, formulas और numerical problems को नियमित रूप से practice करें ताकि examination में calculation और application-based questions को आसानी से solve किया जा सके।

4 Previous Year Questions हल करें

Previous Year Questions से आपको question level, frequently asked topics और examination pattern को समझने में मदद मिलेगी। प्रत्येक important topic पूरा करने के बाद उससे संबंधित questions की practice करें।

5 Negative Marking का ध्यान रखें

Paper-I में गलत answer पर 0.25 mark और Paper-II में गलत answer पर 1 mark की negative marking है। इसलिए केवल speed बढ़ाने के बजाय accuracy पर भी लगातार ध्यान दें।

6 Regular Revision और Mock Test करें

पूरे syllabus को एक बार पढ़ने के बाद regular revision करें और समय-समय पर mock tests दें। Mock test से time management, accuracy और कमजोर topics को identify करने में मदद मिलेगी।