

EXAM SYLLABUS

IBPS SO IT Officer Syllabus 2026

5 subjects · 115 topics · 200 min · 720 marks

IBPS SO IT Officer Syllabus 2026 includes Professional Knowledge (DBMS, DSA, OS, Networks, Software Engineering, Cloud), Reasoning, Quant, English. Exam pattern, important topics, and book recommendations for IBPS SO IT Officer.

WHAT TO STUDY FIRST

Prioritize the Professional Knowledge section, starting with Data Structures & Algorithms (DSA) and Database Management Systems (DBMS). These are foundational and frequently tested. Next, build a strong understanding of Operating Systems and Computer Networks. Once these core technical areas are covered, delve into Software Engineering, Web Technologies, and Cloud Computing. For the aptitude sections (Reasoning, Quant, English), focus on practice and understanding the exam pattern. Regularly review previous year papers to identify high-weightage topics and tailor your study accordingly.

EXAM PATTERN

200 min · 200 questions · 720 marks · MCQ / Objective

National Eligibility cum Entrance Test (Undergraduate)

Marking: Each correct answer carries 4 marks. A deduction of 1 mark is made for each incorrect answer. Unattempted questions receive 0 marks.

Negative: Yes, -1 mark for each incorrect answer.

Physics

50 Q · 180 marks

MCQ

Chemistry

50 Q · 180 marks

MCQ

Biology (Botany & Zoology)

100 Q · 360 marks

MCQ

- Pen and paper-based test.
- Conducted in 13 languages.
- Internal choice available in Section B of each subject.
- PwD candidates get an additional 65 minutes.

SUBJECT-WISE SYLLABUS

01 Professional Knowledge (Mains)

60 topics · 100 marks (determines merit ranking)

RECOMMENDED BOOKS

- Objective Computer Knowledge & Literacy by Kiran Prakashan
- Objective Computer Science by Arihant Experts
- NCERT Textbooks for Computer Science (Class XI-XII)

- 1 Software Development
- 2 Data Structures and Algorithms (Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Searching, Sorting Algorithms)
- 3 Object-Oriented Programming (OOP) Concepts
- 4 Database Management Systems (DBMS)
- 5 ER Models
- 6 Relational Algebra
- 7 SQL Queries
- 8 Normalization Forms (1NF, 2NF, 3NF, BCNF)
- 9 Transaction Control & Concurrency Control Protocols
- 10 Indexing and Hashing
- 11 NoSQL Databases (Foundations)
- 12 Software Engineering
- 13 Software Development Life Cycle (SDLC) Models (Waterfall, Spiral, Agile, DevOps)
- 14 Requirement Engineering (SRS)
- 15 Software Design Methodologies
- 16 Software Testing Techniques (White-box, Black-box, Unit, Integration, System)
- 17 Software Quality Assurance & Metrics
- 18 Infra Support
- 19 Basics of Operating Systems
- 20 System Calls, Processes, Threads
- 21 Inter-process Communication & Synchronization
- 22 Deadlock Prevention/Avoidance
- 23 CPU Scheduling Algorithms
- 24 Memory Management (Paging, Segmentation, Demand Paging)
- 25 File Systems Structure
- 26 Disk Scheduling Algorithms
- 27 Windows and Unix/Linux Computing Environments
- 28 Networking
- 29 OSI Model
- 30 TCP/IP Protocol Suite
- 31 Physical Layer Concepts
- 32 Data Link Layer Protocols (Sliding Window, Error detection & correction)
- 33 Network Layer Routing Algorithms
- 34 IPv4/IPv6 Addressing & Subnetting
- 35 Transport Layer Protocols (TCP, UDP)

- 36 Application Layer Protocols (HTTP, FTP, DNS, SMTP)
- 37 Network Security (Cryptography, Firewalls, Digital Signatures)
- 38 Network Devices (Hub, Bridge, Routers, Gateway)
- 39 Types of Networks (LAN, WAN, MAN)
- 40 Network Topologies (Ring, Mesh, Bus, Star)
- 41 Cloud Computing
- 42 SaaS, PaaS, IaaS
- 43 Virtualization Types
- 44 Containers
- 45 CI/CD
- 46 Web Technologies
- 47 HTML5, CSS3, JavaScript Basics
- 48 Web Architectures
- 49 Cyber Security
- 50 Computer Organization and Architecture
- 51 Digital Electronics
- 52 Compiler Design
- 53 Artificial Intelligence (Basics)
- 54 Machine Learning (Basics)
- 55 Information Systems
- 56 Data Warehousing & Data Mining
- 57 IT Governance
- 58 IT Acts
- 59 Disaster Recovery
- 60 Recent Developments in Information Technology

02 English Language (Qualifying - Prelims & Mains)

11 topics · Qualifying

RECOMMENDED BOOKS

- Objective General English by S.P. Bakshi
- Word Power Made Easy by Norman Lewis
- The Hindu / Indian Express Newspapers

- 1 Reading Comprehension
- 2 Cloze Test
- 3 Detection of Errors
- 4 Improving Sentences and Paragraphs

- 5 Completion of Paragraphs
- 6 Para Jumbling
- 7 Fill in the Blanks
- 8 Parts of Speech
- 9 Modes of Essay Writing
- 10 Letter Writing (Formal)
- 11 Vocabulary (Synonyms, Antonyms, Idioms & Phrases)

03 Reasoning Ability (Qualifying - Prelims & Mains)

18 topics · Qualifying

RECOMMENDED BOOKS

- A Modern Approach to Verbal & Non-Verbal Reasoning by R.S. Aggarwal
- Analytical Reasoning by M.K. Pandey

- 1 Puzzles
- 2 Inequalities
- 3 Seating Arrangement
- 4 Syllogism
- 5 Blood Relations
- 6 Order and Ranking
- 7 Alphanumeric Series
- 8 Input-Output
- 9 Coding-Decoding
- 10 Data Sufficiency
- 11 Distance and Direction
- 12 Verbal and Non Verbal Reasoning
- 13 Logical Reasoning
- 14 Analogy
- 15 Classification
- 16 Series
- 17 Mathematical Operations
- 18 Arithmetical Reasoning

04 Quantitative Aptitude (Qualifying - Prelims & Mains)

22 topics · Qualifying

RECOMMENDED BOOKS

- Quantitative Aptitude for Competitive Examinations by R.S. Aggarwal
- Magical Book on Quicker Maths by M. Tyra

- 1 Number Series
- 2 Data Interpretation
- 3 Simplification/Approximation
- 4 Quadratic Equation
- 5 Quantity Comparison
- 6 Percentage
- 7 Profit & Loss, Discount
- 8 Mixture & Alligation
- 9 Average
- 10 Ages
- 11 Partnership
- 12 Number System
- 13 Time, Speed, & Distance
- 14 Trains & Boats
- 15 Simple Interest
- 16 Compound Interest
- 17 Ratio & Proportion
- 18 Area
- 19 Volume
- 20 Probability
- 21 Time & Work
- 22 Pipes & Cistern

05 Descriptive English (Mains)

4 topics · Part of Mains, determines merit ranking

RECOMMENDED BOOKS

- Objective General English by S.P. Bakshi
- Grammar and Composition by Wren & Martin

- 1 Essay Writing on current technological advancements, digital banking transformations, cyber-security policies
- 2 Letter Writing (Formal business correspondence, customer service notifications, official bank reports)
- 3 Precis Writing
- 4 Comprehension (Descriptive)

5 subject(s), 115 topics listed above. Verify critical details with the official exam notification before applying.