# ISRO Exam Syllabus

ISRO exam syllabus has been released by the ISRO Centralized Recruitment Board (ICRB) for 2023 exam. Each year ISRO conducts the written exam for Scientist/Engineer, Junior Personal Assistant, Assistant, UDC, Stenographer and various other posts. To prepare for the written exam, applicants must review the ISRO exam syllabus thoroughly.

The first step in preparation is understanding the ISRO Exam Syllabus 2023 for the upcoming exam because it enables applicants to assess their level of preparation and determine how much more they must study to pass the selection process. Here, we have provided ISRO exam syllabus for various branches in detail.

## ISRO Exam Syllabus 2023 Overview

The ISRO Exam Syllabus is released by the Indian Space Research Organization (ISRO) itself. The syllabus is usually provided in the official notification of the exam that is published on the ISRO's official website. ISRO Centralized Recruitment Board (ICRB) employs candidates every year for the position of Scientist/ Engineer (SC) and various other posts in the Indian Space Research Organization.

ISRO exam syllabus 2023 will strictly stick to the topics related to the specific discipline as chosen by the candidates. Apart from that, for some posts questions based on Quantitative Aptitude, Reasoning and English are also asked apart from the discipline or trade-specific questions. We have briefly described the complete ISRO Scientist/ Engineer syllabus in the coming sections for all the branches.

## ISRO Exam Syllabus Highlights

The ISRO exam syllabus for each post may vary slightly, but here are the broad topics covered in the ISRO exams:
- General Aptitude
- English Language
- Technical Subjects
- General Knowledge

## ISRO Scientist/ Engineer Syllabus 2023

ISRO Scientists/ Engineer exam syllabus are be based on the curriculum taught in B.E./ B.Tech in the respective field. ISRO releases vacancies, especially in Civil, Mechanical, Electrical, Electronics and Computer Science.

The ISRO Exam Syllabus 2023 for Civil, Electrical, Electronics and Communication, Mechanical, Automobile, Computer Science, Architecture, Refrigeration, and Air-Conditioning Engineering is provided below. Candidates who are willing to join must go through the ISRO exam syllabus for Scientist/ Engineer to prepare for the upcoming exam. The detailed syllabus for every branch is given below:

ISRO Exam Syllabus 2023 for Civil Engineering

Candidates can check the topics covered in ISRO Scientist/ Engineer Syllabus for Civil Engineering.

- Building Materials
- Surveying
- Transportation Engineering
- Soil Mechanics
- Hydraulics

## ISRO Exam Syllabus 2023 for Electrical Engineering

The topics covered in ISRO Scientist/ Engineer Syllabus for Electrical Engineering are provided below.

- Basic concepts
- Circuit law
- AC Fundamentals
- Basic Electronics
- Measurement & Measuring Instruments

## ISRO Exam Syllabus 2023 for Electronics and Communication Engineering

Candidates can check the topics covered in ISRO Scientist/ Engineer Syllabus for Electronics and Communication given below.

- Basics of Circuits & Measurement Systems
- Digital Electronics
- Analytical, Optical Instrumentation
- Analog Electronics
- Electrical and Electronic Measurements

## ISRO Exam Syllabus 2023 for Mechanical Engineering

Candidates can check the topics covered in ISRO Scientist/ Engineer Syllabus for Mechanical Engineering.

- Heat Engines
- The strength of Materials
- Structural Engineering
- Thermodynamics
- Fluid Mechanics

## ISRO Exam Syllabus 2023 for Automobile Engineering

Candidates can check the topics covered in ISRO Scientist/ Engineer Syllabus for Automobile Engineering provided below.

- Automobile Machine Shop
- Automobile Chassis and Transmission
- Auto Repair and Maintenance
- Auto Electrical & Electronics
- Automobile Mechanics

## ISRO Exam Syllabus 2023 for Computer Science Engineering

The topics included in the ISRO Scientist/ Engineer Syllabus for Computer Science Engineering are as follows.

- Databases
- Computer Organization & Architecture
- Operating System
- Compiler Design
- Web technologies

## ISRO Exam Syllabus 2023 for Assistant/UDC/Jr. P. Assistant

The ISRO exam syllabus for carries four major sections which are Quantitative Aptitude, General Knowledge, General Intelligence & Reasoning Ability, and General English. Complete description of the entire syllabus is shown in the table below:

| Section | Syllabus |
|---|---|
| Quantitative Aptitude | Number Systems<br>Algebra<br>Geometry<br>Mensuration<br>Probability and Statistics |
| General Knowledge | Current affairs, Indian geography, Indian polity, Indian economy, science and technology, important dates and events, national and international organizations, sports, awards, and honours |
| General Intelligence & Reasoning Ability | Verbal and non-verbal reasoning, analogies, similarities and differences, space visualization, spatial orientation, problem-solving, analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, and figural classification |
| General English | Reading comprehension, antonyms, synonyms, vocabulary, grammar, sentence structure, spotting errors, sentence completion, idioms and phrases, one-word substitution, and comprehension of passages. |

## How to Cover the ISRO Exam Syllabus?

Here is a 5-point study plan that you can follow to prepare the ISRO Exam Syllabus efficiently:

- Examine and inspect the syllabus and exam pattern of the ISRO Exam thoroughly.
- Create a study plan that covers all the topics in the ISRO Exam Syllabus in sufficient time.
- Solve questions with previous years' question papers which is a crucial step.
- Revision is important for retaining what you have studied. Make sure to revise the important topics and formulas regularly.
- Create short notes to revise the key concepts quickly.

## Books for ISRO Exam Syllabus

It is important to choose the right study material that suits your needs and covers the entire syllabus. Here are some books that you can refer to for the ISRO Exam Syllabus:

1. General Knowledge: Manorama Yearbook, Lucent's General Knowledge, Pratiyogita Darpan, and Arihant General Knowledge.
2. Technical Subjects: For technical subjects, refer to your college textbooks, as they cover the core concepts in detail. You can also refer to books like "ISRO Technical Assistant Electronics & Communication Engineering" by Disha Experts, "ISRO Mechanical Engineering" by RPH Editorial Board, and "ISRO Electrical Engineering" by GKP.
3. Quantitative Aptitude: "Quantitative Aptitude for Competitive Examinations" by R.S. Aggarwal, "Fast Track Objective Arithmetic" by Rajesh Verma, and "Quantitative Aptitude" by Arun Sharma.
4. Reasoning: "A Modern Approach to Verbal & Non-Verbal Reasoning" by R.S. Aggarwal, and "Logical and Analytical Reasoning" by A.K. Gupta.
5. English Language: "Objective General English" by S.P. Bakshi, "Word Power Made Easy" by Norman Lewis, and "High School English Grammar and Composition" by Wren and Martin.