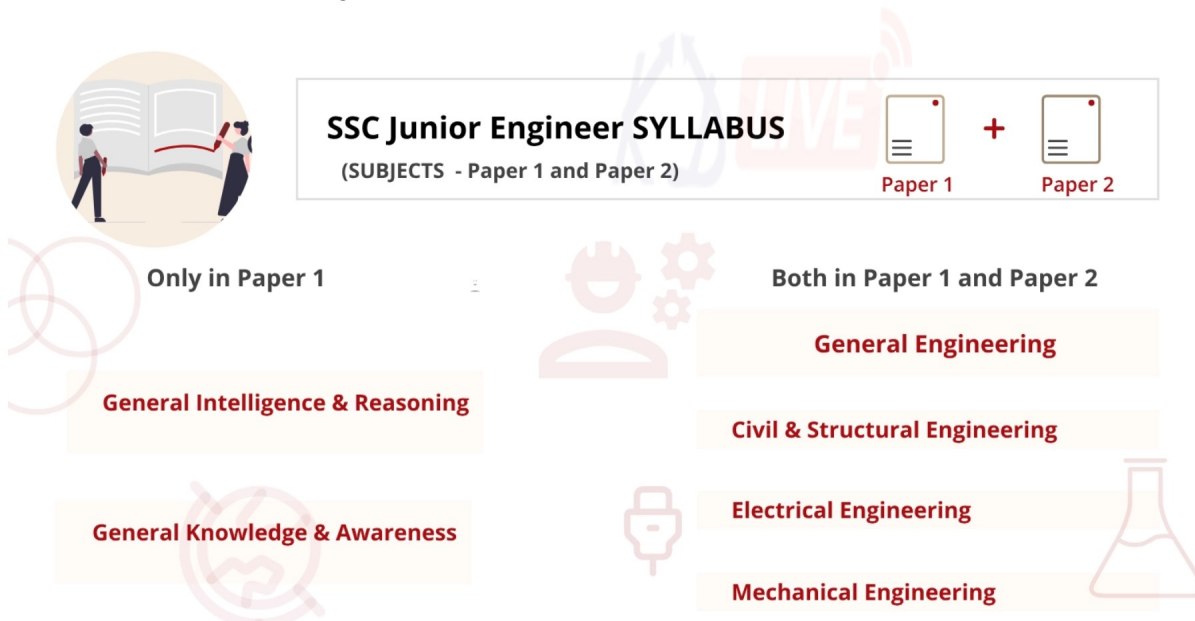


SSC JE Syllabus 2023 - Subject Wise Topics Weightage

If you are someone who is looking for a government job in the field of engineering, then tighten your seat belts because the SSC JE Paper 2 is just around the corner. The Staff Selection Commission conducts the SSC JE Examination annually to recruit eligible engineering candidates. However, to qualify for this exam one must have a complete understanding of the SSC JE Syllabus 2023. Therefore, in this blog post, we will help you prepare for your dream job by providing you with guidance on the SSC JE Syllabus 2023. So, let us first begin with an overview of the SSC JE syllabus 2023 followed by topic wise weightages of all the topics of the given subjects.

SSC JE Syllabus 2023 Overview

Before we start with a detailed analysis of the SSC JE Syllabus 2023, how about we first provide you with the list of all the subjects that you need to prepare for at a single glance? Let's begin by understanding the subjects and thereafter we will dive into the details of the SSC JE syllabus 2023. The image below will provide an outline of all the subjects that you need to cover. Therefore, take a good look at it.



[Source: KD Live]

Hopefully, the above infographic has provided you with a clear-cut vision of what you need to prepare according to the SSC JE Syllabus 2023. How about we now discuss each of these in detail?

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SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Now, we recognize the importance of a user-friendly and readily accessible PDF, enabling you to review weightages without any inconvenience. Therefore, KD Live provides the option to download this blog by selecting the "Download PDF" icon located at the top left corner of the blog. However, before you proceed any further, how about we study topics of each of these subjects in detail? The next two segments of this blog will provide you with a deeper understanding of the SSC JE Syllabus 2023 for Papers 1 and 2. However, let's remind you of the list of subjects once again.

- General Intelligence and Reasoning
- General Knowledge and Awareness
- General Engineering
 - Civil and Structural Engineering
 - Electrical Engineering
 - Mechanical Engineering

Remember, the last three listed subjects under the heading of **General Engineering** will be based on your degree in the field of Engineering.

SSC JE Syllabus 2023 - Paper 1

As discussed above, Paper 1 includes three subjects. Moreover, these subjects will be worth 50, 50, and 100 marks respectively. Let's now understand a brief description and the topics included in three of these subjects.

General Intelligence & Reasoning: This subject includes verbal and non verbal questions. Moreover, this subject aims to test a candidate's abilities to deal with abstract ideas and symbols and their relationships, perform arithmetical computations, and perform other analytical functions.

Below are a few topics along with their respective weightage in this very subject.

SSC JE Syllabus 2023 - Subject Wise Topics Weightage

General Intelligence and Reasoning	
Topics	Weightage
Missing Number	4-5
Syllogism	2-3
Blood Relation	2-3
Seating Arrangement	3-4
Wrong Number	3-4
Direction Sense	2-3
Non-verbal Reasoning	4-5
Series	4-5
Dice	1-2
Coding Decoding	3-4
Mirror Image	2-3
Direction Sense	2-3

General Awareness: This subject tests a candidate's general awareness of the environment around them and its application to society. Moreover, the questions are designed to evaluate a candidate's overall knowledge about current events and matters of everyday observation and experience in their scientific aspect. This test will also encompass questions relating to India and its neighbouring nations, with a particular focus on aspects such as History, Culture, Geography, Economic Scene, General Polity, Scientific Research, etc.

Scan the table below to learn about the weightage of the topics included in this subject:



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SSC JE Syllabus 2023 - Subject Wise Topics Weightage

General Awareness	
Topics	Weightage
Geography	2-3
History	3-4
Polity	3-4
Current affairs	10-14
Environment	3-4
Science	8-10
Arts and Culture	2-3
Sports	2-3

General Engineering: Lastly, the subject of General Engineering will have to be attempted by the candidates according to the education qualification mentioned by them in the application form. In other words, candidates who have opted for civil engineering will have to attempt Part A of the General Engineering section and so on.

Moreover, the details of the topics of the General Engineering section are given in the subsequent segment under Paper 2. Although the weightage varies in both Paper 1 and 2, the topics are nonetheless the same.

Part - A (Civil Engineering)

**SSC JE Syllabus 2023 - Subject Wise Topics Weightage**

Civil Engineering	
Topics	Weightage
Building Material	12-17
Structural Analysis	3-6
Steel	4-7
Geotech	9-11
Transportation	7-11
Survey	9-11
Hydrology and Irrigation	7-10
Environmental	9-11
Fluid Mechanics	6-9
Construction Management and Estimation	7-10
RCC	7-12

Part - B (Electrical Engineering)

Electrical Engineering	
Topics	Weightage
Estimation and Costing	2-6
Power System	17-21
Utilization and Electrical Energy	4-9
Basic Electronics	3-9
Electrical and Electric Instrumentation	7-16

Part - C (Mechanical Engineering)



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SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Mechanical Engineering	
Topics	Weightage
Engineering Mechanics	5-7
Strength of Materials	10-12
Fluid Mechanics and Machinery	8-10
Theory of Machines	6-8
Power Plant Engineering	4-6
Refrigeration and Air Conditioning	4-6
Thermodynamics	7-9

Now that we have a brief understanding of the SSC JE Syllabus 2023 for Paper 1 and the topics that come under the same, how about we give you a detailed analysis of the topics that should be studied for Paper 2?

SSC JE Syllabus 2023 - Paper 2

Now that you have understood the SSC JE Syllabus 2023 of Paper 1 - **General Intelligence and Reasoning and General Awareness**. For Paper 2, you will only have to prepare for one subject i.e., **General Engineering**. General Engineering as explained above has three segments i.e., Civil Engineering, Electrical Engineering, and Mechanical Engineering. Thus, we have provided a detailed list of topics under each of these categories. You must select this subject based on the educational qualifications you've filled out in the application form. Moreover, this paper carries 100 marks and is compulsory for those who have qualified for Paper 1.

SSC JE Syllabus 2023 - Subject Wise Topics Weightage

PAPER 2 SYLLABUS

Civil Engineering

- Building Materials-
- Surveying
- Estimating
- Soil Mechanics
- Costing and Valuation
- Concrete Technology
- Irrigation Engineering
- Steel Design
- Theory of Structures
- Hydraulics
- RCC Design
- Environmental Engineering
- Transportation Engineering

Electrical Engineering

- Basic concepts
- Circuit law
- Magnetic Circuit
- AC Fundamentals
- Measurement and measuring instruments
- Electrical Machines
- Synchronous Machines
- Generation, Transmission and Distribution
- Estimation and costing
- Utilization of Electrical Energy
- Basic Electronics

Mechanical Engineering

- Theory of Machines and Machine Design
- Engineering Mechanics and Strength of Materials
- Thermal Engineering-
- Properties of Pure Substances
- 1st Law of Thermodynamics:
- 2nd Law of Thermodynamics
- Air standard Cycles for IC engines
- Rankine cycle of steam
- Fluid Mechanics & Machinery

Mechanical Engineering

- Properties & Classification of Fluid
- Fluid Statics
- Measurement of Fluid Pressure
- Fluid Kinematics
- Dynamics of ideal fluids
- Measurement of Flow Rate Basic Principles
- Hydraulic Turbines
- Centrifugal Pumps
- Classification of Steels



[Source: KD Live]

Now that you are aware of all the topics for Paper 2, take a look at the table below to know how much weightage each topic holds in these subjects:

Civil Engineering

Topics	Weightage
Theory of Structure and SOM	15-20
RCC Design	10-12
Steel	7-8
Soil Mechanics	10-15
Surveying	15-20
Environmental Engineering	5-6
Hydraulics and Irrigation Engineering	5-6
Estimating and Costing	2-3
Transportation Engineering	4-5

Electrical Engineering

SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Topics	Weightage
Network	32
Machines	25
Electrical Machines	18
Basic Electronics	8
Power System	20

Mechanical Engineering

Topics	Weightage
TOM and MD	20
Strength of Materials	20
Thermodynamics (RAC, IC, PP)	20
FM and HM	20
Production Engineering	20

We hope that you have gained some clarity regarding the SSC JE Syllabus 2023. Moreover, let's now examine the exam pattern for the same. Understanding the exam pattern is equally important, as it guides your preparation in the right direction. So, let's explore the SSC JE Exam Pattern for the year 2023.

SSC JE Exam Pattern 2023

After learning about the SSC JE Syllabus 2023, let us proceed to decode the exam pattern for the same. As we know, the SSC JE examination includes two papers - Paper 1 and Paper 2. Paper 1 consists of three subjects, followed by Paper 2 which consists of only one subject which is dependent on your educational qualification.

- Paper 2 consists of objective-type multiple-choice questions.
- Moreover, the medium of the exam will be both Hindi and English.
- You must also remember that there will be a **negative marking of 1/3rd of the assigned mark for each wrong answer** in both Paper 1 and Paper 2.

To help you out with the Exam Pattern, we have shared a snippet from the SSC JE Official Notification 2023. This image will tell you all about the subjects you will have to prepare for, along with the Mode of Examination, Number of Questions, Maximum Marks and Duration of the Exam.

SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Papers	Mode of Examination	Subject	No of Questions/ Max. Marks	Duration
Paper-I	Computer Based Examination	(i) General Intelligence and Reasoning	50/50	2 Hours (2 hours and 40 minutes for the candidates who are eligible for scribe as per Para-9.1, 9.2 and 9.3)
		(ii) General Awareness	50/50	
		(iii) Part-A: General Engineering (Civil & Structural) or Part-B: General Engineering (Electrical) or Part-C: General Engineering (Mechanical)	100/100	

[Source: ssc.nic.in]

Paper-II	Computer Based Examination	Part-A: General Engineering (Civil & Structural) or Part-B: General Engineering (Electrical) or Part-C: General Engineering (Mechanical)	100/300	2 Hours (2 hours and 40 minutes for the candidates who are eligible for scribe as per Para-9.1, 9.2 and 9.3)
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[Source: ssc.nic.in]

Moreover, for more information on the exam pattern, make sure to read our blog titled [SSC JE Exam Pattern 2023](#) by clicking on the provided link. Now that we have covered the SSC JE Syllabus 2023 and its exam pattern, let us proceed to the next section and take a look at the marking scheme.

SSC JE Marking Scheme 2023

- The SSC JE recruitment exam will consist of two Papers. Moreover, both of these will be **Computer-Based Objective-Type Tests**.
- Paper 1 carries 200 marks whereas Paper 2 carries 300 marks.
- Further, there will be negative markings for each wrong answer. To elaborate, **one-third** of the marks allotted to a question will be deducted for each incorrect answer in both papers. Therefore, candidates must keep this in mind while answering the questions.

SSC JE 2023 Marks Normalization

SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Before proceeding with this segment, let us first understand the meaning of the marks normalization process and its importance. Sometimes when a particular exam is conducted over multiple days, some versions of the test might be easier or more difficult than others due to differences in question wording, content, or other factors. Therefore, to overcome this problem and to ensure fairness, a normalization process takes place.

Similarly, the Staff Selection Commission will also normalize the marks obtained by the candidates in the SSC JE Exam 2023. The scores once normalized will therefore be used later for the determination of the merit list and cut-off. Moreover, the scores are normalized using a specific formula published by the commission in their [notice dated 07-02-2019](#).

SSC JE 2023 Exam Dates

The SSC released the [SSC JE Official Notification](#) for the year 2023 on July 26 on their [official website](#). Subsequently, SSC also released the opening and closing dates of the application form along with various other important dates. Hence, look at the table below so that you don't miss out on any of the important dates. We have also created an [SSC JE Exam Dates 2023](#) blog for your detailed understanding.

Events	Dates
SSC JE 2023 Application Form Release	26 July 2023
The Last Date to Apply	16 August 2023
Closing Date of Correction Facility	18 August 2023 (11 PM)
Paper 1 Admit Card Release Date	3rd October 2023
Paper 1	9th to 11th October 2023
Answer Key Challenge Facility - Paper 1	13th October 2023
Result of Paper 1	17th November 2023
Paper 2	4th December 2023



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SSC JE Syllabus 2023 - Subject Wise Topics Weightage

Hopefully, this blog has provided you with all the information you need regarding the SSC JE Syllabus 2023. Moreover, we believe that true determination and consistency are the two primary and most important factors for success. Thus, to keep yourself up-to-date, stay tuned by regularly checking our blogs. Also, did you check what the SSC JE notification states? Don't worry; you can find it in our [SSC JE Notification 2023](#) blog.



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