

## SSC Junior Engineer Eligibility Criteria

Staff Selection Commission (SSC) Junior Engineers (Civil, Mechanical, Electrical, Quantity Surveying and Contract) Examination required following eligibility conditions

### Eligibility Conditions:

#### 1. Nationality/Citizenship:

A candidate must be either:

- a citizen of India, or
- a subject of Nepal, or
- a subject of Bhutan, or
- a Tibetan refugee who came over to India before the 1st January 1962 with the intention of permanently settling in India, or
- a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka, East African countries of Kenya, Uganda, the United Republic of Tanzania (Formerly Tanganyika and Zanzibar), Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently settling in India. Provided that a candidate belonging to categories (b), (c), (d) and (e) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

#### 2. Age Limit:

- 18-27 years for Junior Engineer (Civil & Electrical) in CPWD and Department of Posts
- Not exceeding 30 years for Junior Engineer (Civil) and Junior Engineer (Electrical & Mechanical) in MES
- Up to 32 years for Junior Engineers (Civil & Mechanical) in CWC and Farakka Barrage.
- 18-27 Years for Junior Engineers (Quantity Surveying and Contract) in MES.
- Not exceeding 30 years for Junior Engineer (Civil) and Junior Engineer (Electrical & Mechanical) in Border Roads Organization (BRO) of Ministry of Defense.

**Permissible relaxation of upper age limit as per government orders are as indicated below:**

S.No	Category	Age-Relaxation permissible beyond the Upper age limit
01	SC/ ST	5 years
02	OBC	3 years
03	PH (OH/HH)	10 years
04	PH (OH/HH) + OBC	13 years
05	PH (OH/HH) + SC/ST	15 years
06	Ex-Servicemen (Unreserved / General)	03 years

07	Ex-Servicemen (OBC)	06 years
08	Ex-Servicemen (SC/ST)	08 years
09	Central Govt. Civilian Employees (General/Unreserved) who have rendered not less than 3 years regular and continuous service as on crucial date.	5 years
10	Central Govt. Civilian Employees (OBC) who have rendered not less than 3 years regular and continuous service as on closing date.	8 (5 +3) years
11	Central Govt. Civilian Employees (SC/ST) who have rendered not less than 3 years regular and continuous service as on closing date.	10(5+5) years
12	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir( Unreserved/General )	5 years
13	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir( OBC )	8 years
14	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir( SC/ST)	10 years
15	Defense Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (Unreserved/General )	5 years
16	Defense Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (OBC )	8 (5+3) years
17	Defense Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (SC/ST)	10 (5+5) years

### Minimum Essential Educational Qualifications:

S. No.	Post	Educational and Other Qualification
1.	Junior Engineer (Civil & Electrical), CPWD	Diploma in Civil or Electrical or Mechanical Engineering from an institution recognized by the Central Government or equivalent qualification
2.	Junior Engineer (Civil & Electrical), Department of Posts	Three years Diploma or equivalent in Civil Engineering or Electrical Engineering from an institution recognized by the Central Government or State Government.
3.	(a) Junior Engineer (Civil), Border Roads Organization(BRO) Ministry of Defense (b) Junior Engineer (Electrical	(a) JE(Civil) Three years Diploma in Civil Engineering or equivalent from a recognized University or Institute. Desirable

	and Mechanical), Border Roads Organization (BRO) Ministry of Defense.	Two years working experience in the field of civil construction in monitoring and executive of projects. JE (Electrical & Mechanical) Three years Diploma in Engineering (Electrical or Mechanical) from a recognized University or Institute. Desirable Two years working experience in the field of Electrical or Mechanical Engineering in the area of construction in monitoring and executive of projects.
4.	(a) Junior Engineer (Civil), MES (b) Junior Engineer (Electrical & Mechanical), MES  (c) Junior Engineer (QS&C) MES	Degree in Civil Engineering from a recognized University OR I) Three years Diploma in Civil Engineering from a recognized Institute or University or Board; and (II) Two years experience in Planning, Execution and Maintenance of Civil Engineering works. Degree in Electrical or Mechanical Engineering from a recognized University; Or  (I) Three year's diploma in Electrical or Mechanical Engineering from a recognized Institute or University or Board; and (II) Two years experience in Planning, Execution and Maintenance of Electrical or Mechanical Engineering works. (i) 3 years Diploma in Civil engineering from a recognized institute/University/Board or equivalent; OR (ii) Passed Intermediate examination in Building and Quantity Surveying Sub Divisional -II of the institute of Surveyors (India).
5.	Junior Engineer (Civil & Mechanical), CWC and Farakka Barrage.	Degree or Diploma in Civil or Mechanical Engineering from a recognized University or Institution

**Note-I:**

Candidates who have not acquired/will not acquire the educational qualification will not be eligible and need not apply.

**Note-II:** Ex. who have done various courses from Armed Forces which are certified by competent Authority to be equivalent to Diploma in Civil/ Mechanical/ Electrical Engineering are eligible to appear in the Examination.

### SSC Junior Engineer Exam Pattern:

Staff Selection Commission (SSC) Junior Engineer Examination will have the following Examination Pattern.

#### The examination will be conducted in two stages:

- A. Written Test (500 marks)
- B. Interview (100 marks)

#### A. Written Test:

Written test will consists of two papers viz Paper -I and Paper-II. Paper-I will consist of Objective Type Multiple Choice questions only and Paper-II will be Conventional Type questions. There will be negative marking of 0.25 marks for each wrong answer in Paper-I.

#### Scheme of Written Exam:

Papers	Subject	Maximum Marks	Duration & Timings
Paper-I Objective type (OMR Answer Sheets will be provided for this Paper)	(i) General Intelligence & Reasoning	5050	2 Hours [10.00 AM to 12.00 Noon]
	(ii) General Awareness	100	
Paper-II Conventional Type	(iii) Part -A General Engineering (Civil & Structural) OR Part-B General Engineering (Electrical) OR Part-C General Engineering (Mechanical)		
	Part -A General Engineering (Civil & Structural) OR Part - B General Engineering (Electrical) OR Part-C General Engineering (Mechanical)	300	2 Hours [2.00 PM to 4.00 PM]

**Note I:**

Paper -I and Paper-III for General Engineering, the candidate will be required to attempt only one part i.e. Part-A or Part-B or Part-C as per option given in the application form by the candidate's. In other words, the candidates appearing for the post of Junior Engineer (Civil), Junior Engineer(Quantity Surveying & Contract) should attempt Part A (Civil & Structural) of Paper-I and Paper-II and the candidates appearing for the post of Junior Engineer (Electrical) should attempt Part-B (Electrical) and the candidates appearing for the post of Junior Engineer (Mechanical) should attempt Part C (Mechanical) of Paper-I and Paper II failing which he/she would be awarded zero marks.

**Note-II:**

Candidates are allowed to bring their own Slide-Rule, Non Programmable Calculator, Logarithm Tables and Steam Table for Paper-II only. They are not allowed to use such aids for Paper-I.

**B. Personality Test (Interview):**

Personality test will be conducted for 100 marks. Only those candidates who secure at least the minimum qualifying marks in the written examination as may be fixed by the Commission at its discretion, will be eligible to appear in the Interview.

**SSC Junior Engineer Syllabus:**

Staff Selection Commission Junior Engineers (Civil, Mechanical, Electrical, Quantity Surveying and Contract) Examination Syllabus details are given below....

**Syllabus:**

The standard of the questions in Engineering subjects will be approximately of the level of Diploma in Engineering (Civil/ Electrical/ Mechanical) from a recognized Institute, Board or University recognized by All India Board of Technical Education. All the questions will be set in SI units. The details of the syllabus are given below:

**Paper-I:**

Paper I will consists of General Intelligence & Reasoning, General Awareness, General Engineering (Civil and Structural), (Electrical & Mechanical).

**Paper-II:**

Paper II consists of Civil & Structural Engineering, Civil Engineering, Structural Engineering, Electrical Engineering, Mechanical Engineering, Thermal Engineering, Fluid Mechanics & Machinery and Production Engineering.