

## 8. Selection Process:

The qualification prescribed is the minimum requirement and possession of the same does not automatically make the candidate eligible to be called for Written test. There will be an initial screening, based on the academic performance and other parameters provided by the candidates / applicants in the on-line applications and only those screened-in candidates will be called for Written Test. **Candidates those who qualify based on the performance / parameters set by ISRO in the Written Test and taking into consideration of number of Vacancies notified, will have to appear for Skill Test / Interview.**

### a) For the posts of Scientist Engineer – ‘SC’ (ME / M.Tech Based)

#### Pattern of Exam:

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Category	Description	M.Tech requirements
Part-A Area / Discipline Specific Part	Duration	75 Minutes
	Total Marks	<b>60 Marks</b> (+1 & -1/3 pattern of marking)
	Types of Question	Multiple Choice Question (MCQ)
	No. of Question	60
	Pattern	40% of questions shall be based on BE / B.Tech syllabus and 60% of the question shall be based on M.Tech syllabus.
Part-B Aptitude / Ability Tests	Duration	30 minutes
	Total Marks	<b>20 marks</b> (negative marking is not applicable)
	Types of Question	Multiple Choice Questions (MCQ)
	No. of Question	Maximum 15
	Pattern	Aptitude / Ability Tests (Numerical Reasoning, Logical Reasoning, Diagrammatic Reasoning, abstract reasoning & deductive reasoning)
Part-C Descriptive Questions	Duration	30 minutes
	Total Marks	<b>20 marks</b>
	Types of Question	Technical question relevant to maintain specialization / discipline notified in the advertisement only.
	No. of Question	To be decided based on the toughness by the expert.
<b>Total Marks</b>		<b>100 Marks</b>

### b) For the posts of Scientist Engineer – ‘SC’ (M.Sc Based)

#### Pattern of Exam:

Category	Description	M.Sc requirements
Part-A Area / Discipline Specific Part	Duration	<b>90 Minutes</b>
	Total Marks	<b>80 Marks</b> (+1 & -1/3 pattern of marking)
	Types of Question	Multiple Choice Question (MCQ)
	No. of Question	80
	Pattern	75% of questions shall be based on core specialization / discipline notified in the advertisement. 25% of the questions shall cover the allied area topics.
Part-B Aptitude / Ability Tests	Duration	30 minutes
	Total Marks	<b>20 marks</b> (negative marking is <b>not</b> applicable)
	Types of Question	Multiple Choice Questions (MCQ)
	No. of Question	Maximum 15
	Pattern	Aptitude / Ability Tests (Numerical Reasoning, Logical Reasoning, Diagrammatic Reasoning, abstract reasoning & deductive reasoning)
<b>Total Marks</b>		<b>100 Marks</b>

i) **Interview:** Based on performance in the Written Test, candidates will be short-listed for interview in 1:5 ratio with a minimum of 10 candidates.

ii) **Pass Criteria:**

Category	Written Test	Interview	Qualifying Criteria
M.Tech	50% each in Part A, B & C	50/100 marks	Aggregate 60%
M.Sc	50% each in Part A & B	50/100 marks	Aggregate 60%

**(c) For the posts of Technician-B / Draughtsman-B / Technical Assistant / Scientific Assistant / Library Assistant**

i) **Pattern of Exam:**

Category	Written Test	Skill Test
Technical Assistant, Scientific Assistant and Library Assistant	80 MCQs in 1.5 hrs (+1 & -0.33 marking)	(Qualifying nature): To be conducted for 100 marks
Technician-B and Draughtsman-B	80 MCQs in 1.5 hrs (+1 & -0.33 marking)	

ii) **Pass Criteria:**

Category	Written Test	Skill Test
Unreserved Candidates	32/80 marks	50/100 marks
Reserved Candidates (only if a post is reserved)	24/80 marks	40/100 marks

The syllabus for the written test is curriculum based. Based on the performance in the Written Test, candidates will be shortlisted for Skill Test in 1:5 ratio with a minimum of 10 candidates.

In case of a tie in Written Test scores, the academic scores of the notified qualification(s) shall be the tie breaker.

In respect of recruitment to the posts of **Technician-B** and **Draughtsman-B**, if there is a tie in Written Test scores and academic scores of notified qualification (NAC/NTC/ITI) in respect of two or more candidates, candidates possessing valid NAC score will have preference over other candidates who do not possess NAC score.

**(d) For the posts of Heavy Vehicle Driver-A / Light Vehicle Driver-A**

The Syllabus for Written Test for Heavy Vehicle Driver 'A' post and Light Vehicle Driver 'A' post is:

**I. Part 'A' (50 questions)** - Questions based on Motor Vehicles Act, 1988 as amended from time to time

- i. Various Sections of the Motor Vehicles Act, 1988 as amended from time to time
- ii. Licensing of Drivers of Motor Vehicles
- iii. Registration of Motor Vehicles
- iv. Control of Transport Vehicles
- v. Control of Traffic
- vi. Insurance of Motor Vehicles
- vii. Offence, Penalties and Procedure
- viii. Mandatory Signs
- ix. Accident Claims
- x. Accident Claims Tribunals

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**II. Part 'B' (15 questions)** - Elementary English of 8th Standard Level

- i. Synonyms, Antonyms
- ii. Use of Correct Verbs
- iii. Choosing appropriate given words and phrases to fill-in the blanks in sentences

**III. Part 'C' (15 questions)** - Elementary Arithmetic of 10th Standard Level

- i. Addition, Subtraction, Multiplication, Division
- ii. Percentage, Ratio, Average

**IV. Part 'D' (20 questions)** - General Knowledge

- i. General Knowledge, Current Affairs
- ii. Who is Who
- iii. States and Capitals in India
- iv. Geography of India

2. The Written Test will comprise of 100 Multiple Choice Questions as described above with a duration of 120 minutes (2hours).
3. One fourth negative marking will apply for each wrong answer, i.e.; 1 mark will be awarded for each correct answer and 0.25 marks will be deducted for each wrong answer.
4. Applicants have to secure 50% marks in Part 'A' and 50% marks in Part 'B', 'C' and 'D' combined for passing the Written Test.
5. Passing marks will be relaxed by 25% for applicants belonging to reserved categories, wherever a post is reserved for the respective category.
6. Total marks obtained in all four parts of the Written Test will be reckoned for shortlisting for Skill Test.

In case of a tie in Written Test scores, the academic scores of the notified qualification(s) shall be the tie breaker.

The Skill Test will be purely of qualifying nature. The Skill Test will be conducted for 100 marks out of which the applicants have to secure 60 marks for qualifying.

No relaxation of marks is applicable in the Skill Test for any category of applicants.

The applicants who had qualified in the Written Test will be shortlisted for the Skill Test in 1:10 ratio.

**(e) For the post of Cook:**

The syllabus for the written test is curriculum based. In case of a tie in Written Test scores, the academic scores of the notified qualification(s) shall be the tie breaker. The Skill Test will be purely of qualifying nature. The Skill Test will be conducted for 100 marks out of which the applicants have to secure 60 marks for qualifying. No relaxation of marks is applicable in the Skill Test for any category of applicants. The applicants who had qualified in the Written Test will be shortlisted for the Skill Test in 1:5 ratio.

**Pattern of Exam:**

Post	Written Test	Skill Test
Cook	60 MCQs in 1.5 hrs (+1 & -0.33 marking)	(Qualifying nature): To be conducted for 100 marks

**(f) For the post of Fireman-A:**

The mode of Selection will be Written Test, Physical Efficiency Test (PET) and Detailed Medical Examination (DME). Initial Screening, based on the academic performance, PME certificate and other parameters given in the on-line application will be done and only those screened-in candidates will be called for Written Test. The Skill Test will be purely on 'go-no-go' basis and marks obtained in Skill Test will not be considered for selection. The final selection shall be based on the marks obtained in the Written Test. Empanelment shall be done in the order of marks obtained in the Written Test, from among the candidates who have qualified PET and DME. In the event of a tie in Written Test marks, the inter-se merit of candidates will be decided based on the academic scores of the essential qualification prescribed.

a. The applicants have to submit Preliminary Medical Examination [PME] Certificate along with the application in the given format (**Annexure-A**) issued by Registered Medical Practitioner, not below the rank of Assistant Civil Surgeon or equivalent (Allopathy) employed in Government Health Services, along with the application.

b. After scrutiny of applications, the eligible candidates will be called for Written Test.

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c. Based on the marks obtained in Written Test, the candidates who are meeting the prescribed PME norms will be shortlisted to appear in PET, in a maximum of 1:50 ratio, to the category-wise number of vacancies. Candidates whose PME certificates are not in the prescribed format or incomplete shall be disqualified.

d. The candidates shall at first undergo Stage-1 Physical Efficiency Test (PET) and those who qualify Stage-1 PET shall undergo Stage-2 PET.

e. The PET events will be conducted purely on 'go-no-go' basis. The candidates who fail to qualify in any event of the PET will be disqualified, and will not be allowed to attend the balance events of PET.

f. From amongst the candidates who qualify in Stage 1 & 2 PET, requisite number of candidates will be short-listed in batches to undergo Detailed Medical Examination [DME]. Empanelment will be done in the order of marks scored in the Written Test, from among the candidates who qualify in DME.

g. The Selection Committee is empowered to short-list candidates in batches to appear in PET, based on the outcome of the PET and DME held for the previous batch, until sufficient number of qualified candidates become eligible for empanelment.

h. The shortlisted candidates shall participate in PET at his/her own risk and violation. No compensation, whatsoever, is payable for any injury, disability(temporary/permanent), death, etc., attributable wholly / partially / directly / indirectly, to the candidate's participation in the PET. The candidates are required to submit a declaration to this effect when reporting for PET. **(Annexure-B)**.

i. Physical Fitness Standards for recruitment of Fireman, and the list of events & qualifying Criteria for PET are at **Annexure-C**.

**Note:** ISRO reserves the right to conduct the written test online / offline. The Written Test / Computer Based Test will be conducted in Bengaluru or different cities across India. Skill Test / Endurance Test / Interview will be conducted for the screened-in / shortlisted candidates in Bengaluru only.

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