

5. MODE OF SELECTION

Post Code(s)	Name of the Post	Mode of Selection
013, 018, 001, 019, 026, 003, 015, 020, 014, 007, 031, 005, 027	Technical Assistant/ Technician 'B'/ Draughtsman 'B'	Written Test + Skill Test (Curriculum based)
010, 030	Heavy Vehicle Driver 'A'/ Light Vehicle Driver 'A'	Written Test + Skill Test (Driving Test)
008	Fireman 'A'	Written Test + Skill Test (Physical Efficiency Test + Medical Examination)

- Note:**
1. The final selection will be based on the scores obtained in the Written Test.
 2. The Written Test will be held by means of online Computer Based Test (CBT) across various cities mentioned in Annexure B. The applicants have to make their choice of city for CBT while submission of online application. **It may be noted that the choice once made cannot be changed later under any circumstance.**
 3. The Skill test will be conducted purely on 'go-no-go' basis and marks obtained in the Skill Test shall not be considered for final selection.
 4. In case of a tie in Written Test scores, the academic scores of the prescribed qualification shall be the tie breaker.
 5. The above mode of selection may change as per Govt. of India/DOS/ISRO orders from time to time.

6. SYLLABUS FOR WRITTEN TEST

- 6.1. 1.** The Syllabus for Written Test for **Technical Assistant, Technician 'B'** and **Draughtsman 'B'** posts having post codes **013, 018, 001, 019, 026, 003, 015, 020, 014, 007, 031, 005 and 027** is purely based on the Curriculum (Academic Syllabus) of the prescribed Educational Qualification.
2. The Written Test will comprise of 80 Multiple Choice Questions with a duration of 90 minutes (1½ hours).
 3. One third negative marking will apply for each wrong answer, i.e.; 1 mark will be awarded for each correct answer and 0.33 marks will be deducted for each wrong answer.
 4. Applicant has to secure 32 marks out of 80 marks for passing the Written Test.
 5. Passing marks for applicants belonging to reserved categories in Technician 'B' and Draughtsman 'B' posts will be 24 marks out of 80 marks, wherever a post is reserved for the respective category.
- 6.2. 1.** The Syllabus for Written Test for **Fireman 'A' post [Post Code: 008]** is:
- i. Basic chemistry with reference to flammable liquids and gases
 - ii. LPG properties
 - iii. Relation between Pressure, volume and temperature
 - iv. Areas of triangle, rectangle and parallelogram
 - v. Volumes of cylinders, cones, sphere and cuboid
 - vi. Properties of Water, CO₂, O₂, H₂, Inert gases
 - vii. Basic concept in the use of electricity and its hazards
 - viii. Simple Arithmetic (of Class X standard)
 - ix. Basic English
 - x. General Knowledge and Current Affairs
2. The Written Test will comprise of 100 Multiple Choice Questions with a duration of 120 minutes (2 hours).
 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. Applicant has to secure 50% marks for passing the Written Test.

6.3. 1. The Syllabus for Written Test for **Heavy Vehicle Driver 'A' post [Post Code: 010]** and **Light Vehicle Driver 'A' post [Post Code: 030]** 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

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 in India

2. The Written Test will comprise of 100 Multiple Choice Questions as described above with a duration of 120 minutes (2 hours).
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 has 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.

7. SYLLABUS FOR SKILL TEST

7.1. 1. The Syllabus for Skill Test for **Technical Assistant, Technician B and Draughtsman B** posts having post codes **013, 018, 001, 019, 026, 003, 015, 020, 014, 007, 031, 005 and 027** is purely based on the Curriculum (Academic Syllabus) of the prescribed Educational Qualification.

2. 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 50 marks for qualifying.
3. Passing marks for applicants belonging to reserved categories in Technician B and Draughtsman B posts will be 40 marks out of 100 marks, wherever a post is reserved for the respective category.
4. The applicants who had qualified in the Written Test will be shortlisted for the Skill Test in 1:5 ratio with a minimum of 10 applicants for a post.

- 7.2. 1. The Skill Test for **Heavy Vehicle Driver 'A' post [Post Code: 010]** and **Light Vehicle Driver 'A' post [Post Code: 030]** will be driving test.
2. 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.
3. No relaxation of marks is applicable in the Skill Test for any category of applicants.
4. The applicants who had qualified in the Written Test will be shortlisted for the Skill Test in 1:10 ratio.

- 7.3. 1. The Skill Test (Physical Efficiency Test) for **Fireman 'A' post [Post Code: 008]** will be as follows.
2. The applicants who had qualified in the Written Test and meeting the prescribed Preliminary Medical Examination (PME) norms will be shortlisted for the Skill Test in 1:50 ratio.
3. The Skill Test will be purely of qualifying nature.
4. The shortlisted applicants shall participate in the PET at his/her own risk and volition. No compensation, whatsoever, is payable for any injury, disability (temporary/permanent), death, etc., attributable wholly/partially/directly/indirectly, to the applicant's participation in the PET. A suitable declaration to this effect should be submitted by the applicants shortlisted for the Skill Test while attending the Skill Test.
5. The Physical Efficiency Test will be conducted in two stages. Those applicants who qualify in Stage 1 PET shall be allowed to undergo Stage 2 PET.
6. Those applicants who qualify in Stage 2 PET shall be allowed to undergo Detailed Medical Examination.
7. Qualifying in all the events in PET is mandatory and if any applicant gets disqualified in any of the event he/she will not be allowed to proceed for further events.
8. Those applicants who qualify in Detailed Medical Examination subsequent to PET shall be considered for empanelment in the order of Written Test marks.
9. List of events and Qualifying Criteria for Physical Efficiency Test

Sl. No.	Events	Qualification Criteria for applicants of age			
		Age upto 40 years		Age above 40 years	
		Male	Female & Transgender	Male	Female & Transgender
<u>STAGE 1</u>					
1.	1500 metres Run	7 minutes	---	8 minutes	---
	800 metres Run	---	4 minutes	---	5 minutes
<u>STAGE 2</u>					
1.	Rope climbing (using only hands)	5 metres from ground level	4.5 metres from ground level	4.5 metres from ground level	4 metres from ground level
2.	Carrying a human dummy by Fireman's lift***	90 metres in 60 seconds	90 metres in 75 seconds	90 metres in 75 seconds	90 metres in 90 seconds
3.	Long Jump	3.8 metres	3.5 metres	3.5 metres	3.2 metres
4.	100 metres Run (Shoes with spikes not allowed)	15 seconds	16.5 seconds	16.5 seconds	18 seconds

*** The weight of human dummy will be 64 kg for Men and 50 kg for Women/ Transgender

10. 3 attempts will be allowed in Long Jump event alone [only 1 attempt will be provided in all other events]. **"BEST OF 3 ATTEMPTS"** will be considered for qualifying in the Long Jump event. The applicants who attain the qualifying standard in an attempt may not be required to perform the balance attempts.