

NOTICE
(No. FED-20-02)

Ref. Advt. No. 04/2020

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA
HALDIA DOCK COMPLEX**

(Jawahar Tower Complex, Haldia Township,
Purba Medinipur, West Bengal, Pin – 721607)

**Written Test for selection to the post of Fire Engine Driver cum Pump Operator
(on contract) under Administration Division, Haldia Dock Complex**

- Written Test Venue** : Training Institute,
1st Floor, Operational Building,
Chiranjibpur, Haldia Dock Complex,
P.O. – Haldia
Dist. – Purba Medinipur
Pin – 721604, West Bengal.
- Date of Test** : 19/10/2020
- Reporting Time** : 10.30 hrs.
- Methodology of Written Test** : Written Test will comprise of 50 marks (GK 05 marks, English Language 05 marks, Numerical Ability 10 marks, logical reasoning 10 marks and subject content 20 marks) and pass marks being 25. However, management reserves the right to change/modify the selection methodology.
- Syllabus and Model Question Paper** : Refer to ‘**Annexure-I**’

General Instructions to the candidates :

- ❖ Call letter for Written Test have been issued to the shortlisted candidates, who have qualified in the trade test, both by speed posts and also by e-mail. If the candidate does not receive call letter by post, he may also take a print out of the e-mail (soft copy) of the call letter.
- ❖ The candidate must bring the call letter and also a set of all relevant certificates / testimonials in support of his eligibility (both original and photo copy) along with him at the time of appearing for the written test. No candidate will be permitted to enter the examination centre without the call letter.
- ❖ Candidate must carry at least one photo bearing **IDENTITY PROOF** in original and a copy of the same, viz. Passport, Aadhaar Card, Driving License, Voter Card, Pan Card, Identity Card issued by Govt. Organisation, to the examination centre, **failing which, HE MAY NOT BE ALLOWED TO APPEAR FOR THE WRITTEN TEST.**
- ❖ The candidate should reach the test centre/venue at the reporting time. Late comers will not be permitted to appear in the test. **They should bring 2 good quality BLACK/BLUE ball point pen for answering the test questions. Use of Pencils is strictly prohibited for answering questions.**

- ❖ The call letter alongwith affixed passport size photograph will be collected before the commencement of written test and therefore the candidate is advised to keep one photocopy of the call letter for his own reference.
- ❖ Candidature for the test is **provisional** and subject to fulfilling all the eligibility conditions as indicated in the advertisement. Receipt of call letter by the candidate is **not** to be construed as acceptance of the candidate's eligibility for selection. If, at any stage, it is found that the candidate is ineligible for written test or at any subsequent stage, his candidature will be rejected.
- ❖ Candidates are not allowed to carry any papers, notes, books, calculators, pagers or mobile phones, smart watch or other electronic gadgets etc., in the examination hall. Any candidate found using or in possession of such unauthorised material or indulging in copying or adopting unfair means, is liable to be summarily disqualified.
- ❖ Blank papers for rough work will be provided at the examination hall to the candidates.
- ❖ Request for change of venue will not be entertained under any circumstances.

Selection of Fire Engine Driver cum Pump Operator (on contract)**Syllabus for Written Test (MCQ)****1. General Knowledge: 05 marks**

About History, Geography, Current Affairs, Games & Sports, Science, etc

2. English Language: 05 marks

Comprehension, vocabulary, simple Grammar

3. Numerical Ability: 10 marks

Mathematics of class VIII to X standard of W.B State Board, CBSE and ICSE Board

4. Logical Reasoning: 10 marks

Selecting Odd Ones Out; General Visualisation; Simple Maths; Coding-Decoding; Paper Folding; Water Image & Mirror Image; Blood Relation, etc

5. Subject Test: 20 marks

Sl. No.	Subject	Sl. No.	Subject
BASIC KNOWLEDGE		APPLIED KNOWLEDGE	
1.	Chemistry of Combustion	1.	Pumps and Primers
2.	Hose	2.	Foam and Foam Equipment
3.	Hose Fittings	3.	Fixed Fire Fighting Installations
4.	Fire Extinguisher	4.	Sprinklers
5.	Rural Fires	5.	Water Relay
6.	Ladders	6.	Hydraulics and Water Problems
7.	Small Gears	7.	Special Appliance
8.	Knots and Lines	8.	Breathing Apparatus
9.	Ropes and Lines	9.	Practical of Firemanship
10.	Water Tender	10.	Electricity
11.	Building Construction	11.	Special Services
12.	Salvage	12.	Disaster Management
13.	Water Supply and Hydrants	13.	Gas and Oil Fires
14.	Fire Prevention	14.	Fire at high rise buildings
GENERAL			
1.	Fire Service Organization	2.	Discipline
3.	Firemen Staff Duties	4.	Watch Room Procedure
5.	First Aid	6.	Tips on Fire Fighting and Evacuation
7.	Knowledge Gaining Methods through Computers, Internet	8.	Communication skills
9.	Fire Service Manual		

Model Question Paper

Section -I [English Language]

Read the following passage and answer the questions that follow:

The moon's role in causing tides is much more high and important than that of the sun. The reason is that the moon enjoys more proximity to the earth than the sun as such its force of attraction is stronger than that of the sun in attracting the surface water. Tides are of immense importance. In trade, navigation and fishing, tides are very useful. During the high tide, the water depth near the coast goes up and helps big ships to reach the ports. Kandla port in Gujarat and Diamond Harbour in West Bengal owe their very existence to the tides only.

Tides also keep the harbours clear of refuse and mud brought down by rivers and thus they do not allow the harbours to be silted. Commonly, the tidal rivers are navigable. For the purpose of generating electricity, tidal waves are harnessed. Tides do not allow the sea water to be frozen by keeping the sea water in motion. Tides are also made use by the fishermen for sailing into the sea and returning to the harbour. In the countries like Canada, U.K., France and Japan, tidal power stations are set up.

1. Why does the moon play a greater role than the sun in causing tides ?

- a. The moon is closer to the earth as compared to the sun.
- b. The moon has greater gravitational pull.
- c. The moon shines in night.
- d. None of these.

2. How are tides useful for the economy of the country ?

- a. Tides bring shipwreck from under the sea with them.
- b. During high tides, big ships can reach the ports thus opening new vistas for business.
- c. Tides destroy enemies of the country.
- d. None of these

3. How are tides useful in cold countries ? They-----

- a. Bring fish for eating
- b. Bring water for drinking
- c. Don't allow sea water to be frozen
- d. Keep the port silted

4. How can tides solve the power problem of the world ?

- a. Electricity is being produced through tidal waves.
- b. Tidal waves keep the steamers in motion.
- c. Tidal waves melt the ice and save power.
- d. None of these

5. Which word in the passage mean 'to bring under control'?

- a. Proximity
- b. Immense
- c. Silted
- d. Harness

Section II [Numerical Ability]

6. A fireman is operating a branch with a nozzle of 21mm dia. If the inlet pressure at the branch is 6.25 bar, the discharge of water from the nozzle will be

- a) 600 LPM
- b) 735 LPM
- c) 753 LPM
- d) 625 LPM

7. A fire has taken place 12 km away from the Fire Station. If the Fire Tender has to reach there within 9 minutes then what should be the speed of the Fire Tender in KMPH

- a) 75 KMPH
- b) 80 KMPH
- c) 85 KMPH
- d) 90 KMPH

8. In a mess, there was a provision of food for 200 men for 30 days. After 6 days, if 50 men leave that mess then for how many days the food will last?

- a) 30 days
- b) 32 days
- c) 35 days
- d) 40 days

9. A train moving at a speed of 72 km/hr takes 20 seconds to cross a telephone post. What is the length of the train ?

- a) 100 m
- b) 200 m
- c) 300 m
- d) 400 m

10. The length of rectangle is thrice of its breadth. If the perimeter of the rectangle is 40 m then the area of the rectangle is
- a) 120 m^2
 - b) 75 m^2
 - c) 80 m^2
 - d) 150 m^2

Section III [Logical Reasoning]

11. 6, 30, 5, 6, 42, 7, 56, ?

- a) 6
- b) 8
- c) 9
- d) 10
- e) 12

12. 51, 44, 37 ? 23

- a) 32
- b) 28
- c) 30
- d) 26

13. Food: Stomach :: Fuel : ?

- a) Plane
- b) Truck
- c) Engine
- d) Automobile

Section IV [General Knowledge]

14. The nearest planet to the earth is

- a) Mercury
- b) Venus
- c) Mars
- d) Jupiter

15. The name of the present captain of Indian cricket team

- a) Rohit sharma
- b) M.S.dhoni
- c) K.L.raul
- d) Virat Kohli

16. Who is the present President of India

- a) Pranab Mukherjee
- b) Pratibha Patil
- c) Ramnath Kobind
- d) None of these.

Section V [Subject Test]

17) For fighting Class A type of fire, the appropriate extinguishing medium should be

- a) Foam
- b) Water
- c) Dry Chemical Powder
- d) All the above

18) As per Indian Standards 950, the Road Clearance of Fire Tender should not be less than

- a) 23 cm
- b) 33 cm
- c) 30 cm
- d) 43 cm

19) The most probable cause of not achieving high speed in a vehicle is that

- a) The vehicle has not enough fuel
- b) The fuel injecting pump is not working properly
- c) The tyres are adequately inflated
- d) All of the above

20) Which one of the following is not a cause of damage of delivery hoses

- a) Drying
- b) Abrasion
- c) Formation of Rubber Acid
- d) Mildew

Answers to Model Questions

Question SI No	Right Option	Question SI No	Right Option
1	a	11	b
2	b	12	c
3	c	13	c
4	a	14	b
5	d	15	d
6	b	16	c
7	b	17	d
8	b	18	a
9	d	19	b
10	b	20	a