

**श्याम प्रसाद मूखर्जी पोर्ट – कोलकाता**  
**SYAMA PRASAD MOOKERJEE PORT, KOLKATA**  
**हल्दिया गोदी परिसर / HALDIA DOCK COMPLEX**  
(जवाहर टावर कॉम्प्लेक्स, हल्दिया टाउनशिप, पूर्ब मेदिनीपुर, पश्चिम बंगाल, पिन - 721607)  
(Jawahar Tower Complex, Haldia Township, Purba Medinipur, West Bengal, Pin – 721607)

**सूचना / NOTICE**

(संदर्भ विज्ञापन संख्या / Ref. Advertisement no. 08/2023)

प्रशासन प्रभाग, हल्दिया गोदी परिसर के तहत उप. अग्निशमन एवं सुरक्षा अधिकारी (अनुबंध पर) के चयन के लिए लिखित परीक्षा  
**Written Test for selection of Dy. Fire & Security Officer (on contract)**  
**under Administration Division, Haldia Dock Complex**

**लिखित परीक्षा का स्थान**  
**Written Test Venue:** ओल्ड सम्मेलन कक्ष,  
प्रथम तल, एनेक्सी बिल्डिंग, जवाहर टावर,  
हल्दिया डॉक कॉम्प्लेक्स,  
हल्दिया टाउनशिप, हल्दिया  
पूर्ब मेदिनीपुर, पश्चिम बंगाल - 721607  
Old Conference Room,  
1<sup>st</sup> Floor, Annexe Building,  
Jawahar Tower,  
Haldia Dock Complex,  
Haldia Township, Haldia,  
Purba Medinipur, W.B. - 721607

**लिखित परीक्षा की तिथि:** 30/01/2024  
**Date of Test :**

**रिपोर्टिंग टाइम :** 10:30 AM.  
**Reporting Time :**

**परीक्षा के लिए पाठ्यक्रम एवं संरचना:**  
**Syllabus & Structure for the test:**

| Paper Type                           | Syllabus  | Marks |
|--------------------------------------|---|-------|
| Paper-1 (MCQ)<br>General<br>Aptitude | Logical Reasoning<br>General Knowledge<br>Numerical Aptitude<br>Communicative English   | 50    |
| Paper-2 (MCQ)<br>Subject Test        | Fundamental Chemistry<br>Acts & Statutes<br>Fire Fighting & Safety Equipment<br>Rescue Equipment and Techniques<br>Fire Safety Codes and Standardization<br>Environmental Engineering and Management<br>Heat Transfer, Combustion and Explosives<br>Industrial Hygiene<br>Identification and Risk Assessment<br>Safety and Risk Management<br>Disaster Management<br>Fire Fighting Installation and Automation<br>First Aid and Emergency Procedures. | 50    |
| Total                                |   | 100   |
| Qualifying                           |   | 50    |

**कठिनाई का स्तर / Level of Difficulty :** माडरेट / Moderate.

**उत्तर सह मॉडल प्रश्न पत्र/**

**Model Question Paper along with answers:** अनुलग्नक-1 संलग्न / Enclosed at Annexure-I.

Contd...p2.

**General Instructions to the candidates:**

- Call letter have been issued to the prima-facie eligible candidates 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 and appear for the test.
- Candidates may please note that they will also be required to produce any of the following documents in original, along with a self-certified photocopy of the same, as a proof of your identity, viz, Passport / Aadhar Card / Voter-ID card / Pan card / valid Photo ID card of any Govt. Organisation, while appearing at the aforesaid venue for the test, failing which, they may not be allowed to appear for the same.
- Candidates would be allowed to appear for the said written test purely on provisional basis, subject to verification of the original documents and testimonials regarding their eligibility, before commencement of the test, or, at any subsequent stage. Accordingly, they are requested to bring a set of all relevant certificates / testimonials regarding their eligibility (both original and self certified photocopy), along with them at the time of appearing for the test.
- Request for change of centre/venue will not be entertained under any circumstances.
- The candidate should reach the test venue at the reporting time. Late comers will not be permitted to appear in the test. Candidates are required to bring the call letter, with their recent passport size photograph affixed in the space provided therein at the time of appearing for the test. Original call letter will be collected from them before the test. Therefore the candidates are advised to keep one photocopy of the call letter for their own reference. The candidate will be allowed to take the written test only with BLUE / BLACK ball point pen for answering the test questions. Use of Pencils is strictly prohibited for answering questions.
- Candidates are not allowed to carry any other paper, notes, book, calculator, pager, mobile phone, smart watch or other electronic gadgets, etc. in the examination hall. If they are found using, or in possession of such unauthorized material or indulging in copying or adopting other unfair means, they are liable to be summarily disqualified.
- Should the candidate fail to appear for the said written test at the above mentioned date, time and venue in the aforesaid manner, his candidature for the subject selection will be treated as cancelled without any further reference. Request for change of venue and date of examination will not be entertained in any circumstances.
- Mere appearance in the Written test will not confer any right upon the candidate for selection / engagement to the above post under Haldia Dock Complex, SMP, Kolkata. However, at any subsequent stage, if any discrepancy / irregularity is noticed in any of the documents, candidature would be cancelled, without any further reference to the candidates.
- Blank papers for rough work will be provided at the examination hall to the candidates.
- No Travelling Allowance would be admissible to the candidates for appearing for the aforesaid written test.
- For subsequent developments in the matter, the candidates are hereby advised to follow the website of Syama Prasad Mookerjee Port, Kolkata ([www.smporkolkata.shipping.gov.in](http://www.smporkolkata.shipping.gov.in)).


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Model Question Paper**Written Test for Contractual Engagement of Dy. Fire & Security Officer  
at Admin. Division of Haldia Dock Complex**

Time Duration – 2 hrs

Full Marks – 100

**Paper-I. General Aptitude****(2 Marks each)**Choose the Correct Answer :-

- Q.1) Ice : Coolness :: Earth : ?  
(A) Forest (B) Weight (C) Gravitation (D) Ocean  
Ans : (C)
- Q.2) Coconut : Shell :: Letter : ?  
(A) Mail (B) Letter-box (C) Stamp (D) Envelope  
Ans : (D)
- Q.3) Income is related to profit in the same way as expenditure is related to—  
(A) Loss (B) Surplus (C) Balance (D) Sale  
Ans : (A)
- Q.4) Clue is related to Mystery in the same way as warning is related to—  
(A) Precaution (B) Disaster (C) Risk (D) Danger  
Ans : (D)
- Q.5) Syama Prasad Mookerjee Port Kolkata is a \_\_\_\_\_ Port.  
(A) USB (B) Sea (C) Riverine (D) Air  
Ans : (C)
- Q.6) Where is the Oldest Operating Port of India Situated ?  
(A) Paradip (B) Cochin (C) Kolkata (D) Chennai  
Ans : (C)
- Q.7) The governor of a state is appointed by the President on the advice of \_\_\_\_\_.  
(A) Prime Minister (B) Chief Minister of the state  
(C) Speaker of the state (D) Chief Justice of High Court of the state  
Ans: (A)
- Q.8) The members of Lok Sabha hold office for a term of \_\_\_\_\_.  
(A) 3 years (B) 4 years (C) 5 Years (D) 6 Years  
Ans: (C)
- Q.9) Which border guarding force guards the Indo-China border?  
A. Assam Rifles B. Border Security Force  
C. Sashastra Seema Bal D. Indo-Tibetan Border Police  
Ans: (D)
- Q.10) Which Device can have the highest storage capacity?  
(A) Floppy Disk (B) CD (C) DVD (D) Hard Disk  
Ans: (D)
- Q.11) A compact disc (CD) is a type of \_\_\_\_\_ storage media.  
(A) Electrical (B) Magnetic (C) Optical (D) None of these  
Ans: (C)
- Q.12) Abbreviation HDD stands for –  
(A) Hand Disk Drive (B) Handy Disk Drive  
(C) Hard Disk Drive (D) Handy Diskette Drive  
Ans: (C)
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Q.13) How many bricks, each measuring 25 cm x 11.25 cm x 6 cm, will be needed to build a wall of 8 m x 6 m x 22.5 cm?

- (A) 5600 (B) 6000 (C) 6400 (D) 7200

Ans : (C)

Q.14) A person borrows Rs. 5000 for 2 years at 4% p.a. simple interest. He immediately lends it to another person at 6% p.a for 2 years. Find his gain in the transaction per year?

- (A) 112 (B) 100 (C) 124 (D) 200

Ans : (B)

Q.15) Find out the odd one out from the given series?

1, 4, 9, 16, 20, 36, 48

- (A) 1 (B) 9 (C) 20 (D) 36

Ans : (C)

Q.16) A person bought 6 whistles in a rupee. How many for a rupee must he sell to gain 20%?

- (A) 3 (B) 4 (C) 5 (D) 6

Ans : (C)

Q.17) If 20% of  $a = b$ , then  $b\%$  of 20 is the same as:

- (A) 4% of  $a$  (B) 5% of  $a$  (C) 20% of  $a$  (D) None of these

Ans : (A)

Q.18) In triangle ABC, right angle at C, then the value of  $\operatorname{cosec}(A + B)$  is -

- (A) 2 (B) 0 (C) 1 (D) -1

Ans : (C)

Q.19) Choose the one which best express the meaning of word "Cease" ?

- (A) Begin (B) Stop (C) Create (D) Dull

Ans : (B)

Q.20) Rearrange P,Q,R,S to produce a correct meaningful sentence.

All precautionary measures were taken, (P) to prevent the capture of booths, (Q) during the election, (R) by the Government, (S) by the terrorists.

- (A) S P R Q (B) Q S P R (C) R P S Q (D) R Q S P

Ans: (C)

Q.21) Synonym of DEFER ?

- (A) Postpone (B) Defy (C) Differ (D) Indifferent

Ans: (A)

Q.22) Antonym of DEFER ?

- (A) Continue (B) Prolong (C) Agree (D) Deviate

Ans: (A)

Q.23) The Cat and the Dog have a \_\_\_\_\_ enemy in the rat.

- (A) Same (B) Common (C) Mutual (D) Similar

Ans: (B)

Q.24) He is very good \_\_\_\_\_ making stories.

- (A) in (B) at (C) about (D) for

Ans: (B)

Q.25) A number of monitor placed together is known as \_\_\_\_\_

- (A) Video splitter (B) Cctv (C) Video board (D) Camera

Ans: (C)

## Paper-II . Subject Test

(2 Marks each)

Choose the Correct Answer:-

- Q 1. In which year the National Disaster Management Act was passed?  
A. 1995                      B. 2010                      C. 2001                      D. 2005                      Ans: (D)
- Q 2. Which set up pertaining to disaster management exists at the village level?  
A. NDRF                      B. SDRF                      C. DMT                      D. All of the above                      Ans: (C)
- Q 3. If an injured person is suspected to have suffered spinal or neck injury, a first aider should not use \_\_\_\_\_.  
A. Chin lift method                      B. Mouth-to-mouth resuscitation  
C. Tourniquet                      D. Splint                      Ans: (A)
- Q 4. Mouth-to-nose procedure is a type of \_\_\_\_\_  
A. Rescue method                      B. Rescue breathing  
C. Bleeding control                      D. Fracture management                      Ans: (A)
- Q 5. Who is the father of NCC in India?  
A. Pandit H. N. Kunzru                      B. Netaji Subash Chandra Basu  
C. G.G. Bewoor                      D. None of the above                      Ans: (B)
- Q.6) What is the temperature at which both the Fahrenheit and the centigrade scales have the same value?  
(A) 0 degree (B) -4 degree (C) -40 degree (D) 4 degree                      Ans: (C)
- Q 7. PPE Stands for \_\_\_\_\_?  
(A) Person Protective Equipment                      (B) Personal Protective Equipment  
(C) Personal Preventive Equipment                      (D) Person Part Equipment                      Ans : (B)
- Q 8. Zero degree Kelvin is equal to \_\_\_\_\_?  
(A) 100 degree centigrade                      (B) -273 degree centigrade  
(C) 0 degree centigrade                      (D) 273 degree centigrade                      Ans : (B)
- Q 9. Purpose of using a portable radio?  
(A) send message immediately                      (B) Use for earphone  
(C) To listen to music                      (D) All of the above                      Ans: (A)
- Q 10. After using a CO2 Fire extinguisher, the nozzle gets extremely cold. What does it indicates ?  
(A) You should not use it                      (B) The material inside is finished  
(C) It is safe to continue                      (D) The material inside are running low                      Ans: (A)
- Q 11. In a Battery, which energy is converted into Electrical energy?  
(A) Mechanical                      (B) Kinetic                      (C) Chemical                      (D) Potential                      Ans: (C)
- Q 12. In the event of an uncontrolled fire in your vicinity, your first course of action should be to \_\_\_\_\_  
(A) Activate the Alarm                      (B) Ask someone else what to do  
(C) Run away as quickly as possible                      (D) Get a fire extinguisher                      Ans: (A)

- Q 13. On fire extinguishers, which symbol represents combustible metals or class D fuels?  
 (A) Triangle (B) Circle (C) Square (D) Star  
 Ans: (D)
- Q 14. The acronym for the proper use of a fire extinguisher is \_\_\_\_\_.  
 (A) PALS (B) PASS (C) PAST (D) Non of these  
 Ans: (B)
- Q 15. Alcohol, ether, oil, gasoline and grease are classified as \_\_\_\_\_.  
 (A) Class B (B) Class A (C) Class D (D) Class C  
 Ans: (A)
- Q 16. Ladders used in the fire service have many pieces and parts. Which part is not part of a fire service ladder?  
 (A) Rope (B) Pulley (C) Halyard (D) Ream  
 Ans: (D)
- Q 17. Which Acid is know as 'Oil of Vitriol'?  
 (A) Sulphuric acid (B) Nitric Acid  
 (C) Phosphoric Acid (D) Hydrochloric Acid  
 Ans: (A)
- Q 18. Which mechanism is not a way to transfer heat?  
 (A) Conduction (B) Radiation (C) Convection (D) None of these  
 Ans: (D)
- Q 19. When extinguishing a fire, you should maintain an away distance of \_\_\_\_\_.  
 (A) 5 meters (B) 10 meters (C) 3 meters (D) 8 meters  
 Ans: (C)
- Q 20. How often should fire extinguishers be checked ?  
 (A) Once a month (B) Annually (C) Every 6 months (D) Never  
 Ans: (A)
- Q 21. Inside a building, fire extinguishers must be placed within what distance of each other?  
 (A) 50 ft. (B) 75 ft. (C) 100 ft. (D) 125 ft.  
 Ans: (B)
- Q 22. Which of the following activities are considered as "hot work"?  
 (A) Welding (B) Cutting (C) Grinding Ferrous Metals (D) All of the Above  
 Ans: (D)
- Q 23. Nitrous Oxide (N<sub>2</sub>O) is also known as ?  
 (A) Coughing Gas (B) Laughing Gas (C) Pungent Gas (D) Tear Gas  
 Ans: (B)
- Q 24. NFPA \_\_\_\_\_ is the standard for fire officer professional qualifications. Fill in the blank.  
 (A) 1389 (B) 1710 (C) 1002 (D) 1021  
 Ans: (D)
- Q 25. There are nine different hazardous materials warning labels. What does a class 8 label represent?  
 (A) Explosives (B) Flammable and combustible liquid  
 (C) Corrosive (D) Oxidizer and organic peroxide  
 Ans: (C)