

## NOTICE

### **KOLKATA PORT TRUST HALDIA DOCK COMPLEX**

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

#### **Written Test for selection of Junior Marine Officer (on contract) under Marine Operations Division of Haldia Dock Complex**

**Written Test Venue** : Training Institute ,  
Operational Building (1<sup>st</sup> Floor),  
Haldia Dock Complex,  
Chiranjibpur , Haldia,  
Dist.-Purba Medinipur,  
West Bengal – 721604.

**Date of Test** : 26/06/2018

**Reporting Time** : 10.30 hrs.

**Syllabus/ Structure / Level of  
difficulty of the question paper**

**Model Question Paper with Answer** : Refer to ‘ **Annexure-I**’

**General Instructions to the candidates** :

- ❖ Admit card have been issued to the prima-facie eligible candidates both by speed posts and also by e-mail. If the candidate does not receive admit card by post, he may also take a print out of the e-mail (soft copy) of the admit card(s).
- ❖ The candidate must bring the admit card and also a set of all relevant certificates / testimonials regarding 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 admit card.
- ❖ Candidate must carry at least one photo bearing **IDENTITY PROOF** in original viz, Passport / Voter-ID card / Pan card / Aadhar Card / Photo ID card of any Govt. Organisation to the examination centre, **failing which, HE SHALL NOT BE ALLOWED TO APPEAR FOR THE EXAMINATION.**
- ❖ 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 admit card alongwith affixed passport size photograph will be collected in the examination hall and therefore the candidate is advised to keep one photocopy of the Admit Card 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 Admit card 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 sitting in the written examination or at any subsequent stage his candidature will be rejected.

- ❖ Candidates are not allowed to carry any other papers, notes, books, calculators, pagers, 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 centre/venue and date of examination will not be entertained under any circumstances.
- ❖ No Travelling allowance will be reimbursed for appearing in the Written Test.
- ❖ The candidate should submit the filled up Declaration Form (enclosed with call letter ) on the date of the written test, confirming his choice to take the question paper for Deck Side or Engine Side, before the written examination, failing which, the candidate will not be allowed to take the written test.

**SYLLABUS / STRUCTURE / LEVEL OF DIFFICULTY OF THE QUESTION PAPER  
FOR THE WRITTEN EXAMINATION OF CONTRACTUAL Jr. MARINE OFFICER**

**Part-I, Objective Test.**

- 1) **Syllabus:** i) General Knowledge-10 Marks.  
ii) English Language-15 Marks.  
iii) Numerical Ability- 15 Marks.  
iv) Logical Reasoning- 10 Marks. } 50 Marks
- 2) **Structure:** MCQ
- 3) **Level of difficulty:** Moderate.

**AND**

**Part-II, Subject Test. (Engine side)**

- 1) **Syllabus:** i) Engineering Knowledge- General  
ii) Engineering Knowledge- Motor  
iii) Safety.  
iv) MARPOL.  
v) Marine Engineering Practice. } 50 Marks
- of MEO Class-IV examination.
- 4) **Structure:** MCQ
- 5) **Level of difficulty:** Moderate.

**OR**

**Part – II, Subject Test. (Deck side)**

- 1) **Syllabus :** i) Rules of The Road.  
ii) Principle of Navigation.  
iii) Practical Navigation.  
iv) Stability.  
v) Ship Construction.  
vi) Cargo Work.  
vii) Chart Work.  
viii) Meteorology.  
ix) SOLAS.  
x) MARPOL.  
xi) Seamanship.  
xii) Navigational Equipments. } 50 Marks
- 2) **Structure:** MCQ
- 3) **Level of difficulty:** Moderate.

**TOTAL QUALIFYING MARKS - 50.**

Model Question paper  
Objective Type Part-I  
(All questions carrying equal mark)

Full Marks: 50

Time: 1 Hr. 30 Mints.

1. Name the longest river in the world.
- Ganges.
  - Nile.
  - Mississippi.
  - Brahmaputra.

Ans:- b)

2. The average of first 50 natural number is
- 25.30
  - 25.50
  - 25.00
  - 12.25

Ans:-b)

3. Let us play.....chess
- No article.
  - The
  - A
  - An

Ans:-a)

4. Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?
- (1/3)
  - (1/8)
  - (2/8)
  - (1/16)

Ans:-b)

5. SCD, TEF, UGH, \_\_\_\_\_, WKL
- CMN
  - UJI
  - VIJ
  - IJT

Ans: c)

Model Question paper  
Subjective Type Part-II (Engine side)  
(All questions carrying equal mark)

Full Marks: 50

Time: 1 Hr. 30 Mints.

1. For shaft sealing of a main sea water pump for ship plying in coastal muddy waters, which is the best option ?
- a) Gland packing
  - b) Lip seal with gater spring
  - c) Mechanical seal
  - d) Cup seal

Ans:-a)

2. Inflatable life rafts are less maneuverable than lifeboats due to their
- a) Shape
  - b) Shallow draft
  - c) Large sail area
  - d) All of the above

Ans:-d)

3. A moulded-case circuit breaker provides protection against short circuit by using an
- a) Shading coil
  - b) Arc quencher
  - c) Electromagnet
  - d) Holding coil

Ans:- c)

4. The output pressure of a diesel engine lube oil pump is regulated by a/an
- a) Relief valve
  - b) Metering valve
  - c) Variable speed pump drive
  - d) Orifice in the lube oil header.

Ans:- a)

5. MARPOL annex-IV deals with-
- a) Prevention of pollution by oil from ship
  - b) Prevention of pollution by garbage from ship
  - c) Prevention of pollution by sewage from ship
  - d) Prevention of air pollution by ship.

Ans:- c)

Model Question paper  
Subjective Type Part-II (Deck side)  
(All questions carrying equal mark)

Full Marks: 50

Time: 1 Hr. 30 Mints.

**1. The International Regulations for Preventing Collisions at Sea (COLREGS) entered into force on.**

- A. 15 July 1977.
- B. 20 October 1972.
- C. 15 May 1979.
- D. 01 January 1977.

Ans:-A)

**2. How many chapters are there in SOLAS (Safety of Life At Sea).**

- A. 10 chapters.
- B. 11 chapters.
- C. 12 chapters.
- D. 14 chapters.

Ans:-D)

**3. With Reference to Annex – VI (MARPOL – 73/78) deals with.**

- A. Prevention of pollution by oil.
- B. Prevention of pollution of air.
- C. Prevention of pollution by garbage.
- D. None of the above.

Ans:-B)

**4. Frequency of "X" band marine radar is.**

- A. 10 KHz.
- B. 10 GHz.
- C. 03 GHz.
- D. 12 MHz.

Ans:-B)

**5. The maximum length and maximum beam of vessel acceptable at Old Panama Lock is.**

- A. L = 294.13 M & B = 32.31 M.
- B. L = 294.55 M & B = 32.26 M.
- C. L = 292.99 M & B = 32.32 M
- D. L = 293.89 M & B = 32.32 M

Ans:-A)