



India
(2023)

Sr. No. 27121

EXAMINATION OF MARINE ENGINEER OFFICER

Grade: MEO Class IV

Function: Controlling the Operation of the Ship & Care for Persons on Board at Operational Level

Subject: MARINE ENGINEERING PRACTICE

(Time allowed :3 hours)

Total Marks: 100

Note:

- 1) Answer SIX Questions only.
- 2) All Questions carry equal marks
- 3) Neatness in handwriting and clarity in expression carries weightage
- 4) Illustration of an Answer with clear sketches/diagrams carries weightage.
- 5) Start answering from the backside of the front cover page.
- 6) Blank pages whether full or half, to be struck off by (X) at the end of each question.

- ✓ (a) Describe safety limits provided on deck cranes [6]
(b) Describe regular maintenance required on deck cranes. [5]
(c) Discuss in the Indian context, the inspection, testing and certification regime being followed for the lifting appliances on ships. [5]
- ✗ Describe following non destructive methods:
(a) Radiographic Inspection - principle, method in detail. *in-Page* [8]
(b) Ultrasonic Inspection - principle, method in detail. *in-Page* [8]
- ✓ With regard to keeping the gas side of boilers in good condition discuss EACH of the following:
(a) The mechanism of combustion, stating the factors which are important for good combustion; [6]
(b) Oil fuel treatments; [5]
(c) Soot removal equipment. [5]
- ✓ During your watch you observe that Main Engine L.O. sump level is rising due to contamination of lubricating oil. Describe the procedure to-
(a) identify the contaminant. [6]
(b) locate the cause of contamination [6]
(c) action to make the oil suitable for its continued usage. [4]
- ✓ To achieve the optimum performance from a main air compressor, describe the routine maintenance necessary on the following components; [16]
(a) Unloader (b) Air intake filter
(c) Suction/Discharge valves (d) Intercoolers

Marine Engineer Class 2 Exam Questions

J Elliott



Marine Engineer Class 2 Exam Questions:

Whispering the Secrets of Language: An Psychological Quest through **Marine Engineer Class 2 Exam Questions**

In a digitally-driven world wherever screens reign great and immediate interaction drowns out the subtleties of language, the profound techniques and mental nuances hidden within phrases often get unheard. Yet, situated within the pages of **Marine Engineer Class 2 Exam Questions** a charming fictional value pulsating with natural feelings, lies a fantastic journey waiting to be undertaken. Penned by a skilled wordsmith, this charming opus invites viewers on an introspective journey, delicately unraveling the veiled truths and profound affect resonating within the fabric of each word. Within the emotional depths with this touching review, we will embark upon a honest exploration of the book is core styles, dissect its charming writing type, and succumb to the strong resonance it evokes strong within the recesses of readers hearts.

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