

CBCS SCHEME

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18MR821

Eighth Semester B.E. Degree Examination, July/August 2022 Marine Engine Practice

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain pressure testing of Piston in detail. (10 Marks)
b. Explain types of Piston rings, materials used and its maintenance in detail. (10 Marks)

OR

- 2 a. Explain linear removal procedure for MAN Engine [MC and ME engines] in detail. (10 Marks)
b. Explain the ways to check the condition of the cylinder in detail. (10 Marks)

Module-2

- 3 Explain various that are performed during major overhauling of the ship's Generator. (20 Marks)

OR

- 4 Explain about cylinder liner calibration in detail. (20 Marks)

Module-3

- 5 Explain the following in detail with suitable diagrams.
i) Factors affecting the performance of purifier
ii) Selection of Gravity disc and use of Nomogram Table (20 Marks)

OR

- 6 a. What is meant by Bumping Clearance? How to check and adjust the bumping clearance in detail. (10 Marks)
b. How will you carry out crankcase inspection of Air compressor? (10 Marks)

Module-4

- 7 Draw a neat sketch and explain Pilgrim nut method of propeller mounting in detail. (20 Marks)

OR

- 8 Explain with a neat sketch about aft stern tube lip seal Assembly in detail. (20 Marks)

Module-5

- 9 What are the requirements according to MARPOL for OWS? Explain construction and working of Simplex-turbulo oil/water separator in detail. (20 Marks)

OR

- 10 a. Draw a constructional diagram of a shipboard incinerator and label its parts. (10 Marks)
b. Draw a constructional diagram of a STP and label and parts. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.