

CBCS SCHEME

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15MR833

Eighth Semester B.E. Degree Examination, November 2020 Marine Engineering Practice

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions irrespective of modules.

Module-1

- 1 Explain the procedure for Turbocharger overhaul and the checks on Turbocharger while overhauling. What is the function of labyrinth seal on turbocharger? (16 Marks)
- 2 Explain the procedure for pressure testing of piston and explain piston ring installation on a 2 – stroke marine diesel engine. (16 Marks)

Module-2

- 3 What is charge Air cooler? Explain the Air cooler cleaning procedure and its inspection on a 4 – stroke marine diesel engine. (16 Marks)
- 4 Explain the piston drawing out procedure of 4 – stroke engine and give details on the four – stroke engine piston ring arrangement. (16 Marks)

Module-3

- 5 What is the procedure for purifier disc stack overhaul? (16 Marks)
- 6 What is a Discharge unloader and describe its operation. What is bumping clearance? How to adjust the bumping clearance? What are the significance of bumping clearance? (16 Marks)

Module-4

- 7 Explain the Oil Injection System of Propeller Mounting in detail, with diagram. (16 Marks)
- 8 Write the general guidelines involved during routine checks of a propeller shafts with load check on bearing by Jacking method. (16 Marks)

Module-5

- 9 Explain with neat sketch, the working of Simplex – Turbulo Oil – Water separator. (16 Marks)
- 10 What are the Routine checks and maintenance of STP? (16 Marks)

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.