

CBCS SCHEME

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18MR821

Eighth Semester B.E. Degree Examination, June/July 2023 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 What is meant by piston ring clearances? What are its types? Explain the procedure for taking the clearances during a piston overhauling. (20 Marks)

OR

- 2 Explain in detail about Liner Removal procedures and give the details about various checks to be done during the procedures. (20 Marks)

Module-2

- 3 With the help of a neat sketch, explain CON-ROD removal procedures of an Auxiliary engine. (20 Marks)

OR

- 4 Explain in detail about Turbocharger removal of inspections various components of an Auxiliary engine. (20 Marks)

Module-3

- 5 What is meant by Bumping clearance? How to adjust the clearance? Explain its procedures in detail. (20 Marks)

OR

- 6 a. Write a brief note on selection of gravity disc and use of Narrogram table. (14 Marks)
b. What are the factors affecting the performance of purifier? Explain them in brief. (06 Marks)

Module-4

- 7 With the help of a neat sketch, explain MU77 COUPLING in detail. (20 Marks)

OR

- 8 Explain propeller shaft system in detail. (20 Marks)

Module-5

- 9 Explain the construction, working and maintenance of a Biological Sewage treatment plant in detail. (20 Marks)

OR

- 10 a. Sketch a Simplex-turbuls oil/water separator with coalesce. (10 Marks)
b. Sketch a Incinerator and explain its working in brief. (10 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.