

CBCS SCHEME

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18MR62

Sixth Semester B.E. Degree Examination, Dec.2023/Jan.2024 Marine Internal Combustion Engine – II

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 Explain different type of Vibration and it effects, methods of vibration damping in detail. (20 Marks)

OR

- 2 a. Draw and explain suction of spill valve controlled fuel pump. (10 Marks)
b. Sketch and explain Helix Jerk fuel pump in detail. (10 Marks)

Module-2

- 3 Explain different types of Indicator Cards in detail. (20 Marks)

OR

- 4 a. Write down safety interlocks for starting of main engine. (10 Marks)
b. Explain Reversing system of different Marine Diesel Engines in detail. (10 Marks)

Module-3

- 5 a. What is linear wear? State the reasons of remedial action for it. (10 Marks)
b. Draw a neat sketch and explain Quill system of linear lubrication. (10 Marks)

OR

- 6 Draw a flow diagram of Marine Propulsion Gas turbine and explain it in detail. (20 Marks)

Module-4

- 7 What are the Essential requirements for Unattended Machinery? Space (UMS) ship? Explain them in detail (20 Marks)

OR

- 8 What is Crankshaft Deflection? State the reasons and explain the procedures in detail. (20 Marks)

Module-5

- 9 a. Explain Hot and cold corrosion in detail. (10 Marks)
b. Explain Microbial degradation in Lub-oil in detail. (10 Marks)

OR

- 10 Explain Intelligent engines in detail. (20 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.