

Eighth Semester B.E. Degree Examination, July/August 2022 Engine Room Management

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Define Watch. What are the requirements of Watch keeping? Write down the duties of Engineer Officers of Watch in detail. (15 Marks)
b. Write a short note on Log book writing during a Engineer Watch. (05 Marks)

OR

- 2 What are the Emergency measures taken in case of Engine Room flooding? Explain them in detail. (20 Marks)

Module-2

- 3 What is Dry dock? Explain various types of Dry docking methods in detail. (20 Marks)

OR

- 4 Explain Trouble shooting of following Auxiliary Machineries :
a. Purifiers. b. Air Compressors c. Boilers. (20 Marks)

Module-3

- 5 Explain Crank Case Explosion in detail with its causes, remedial actions and Monitoring system of a main engine. (20 Marks)

OR

- 6 a. Explain Air starting line explosion in detail with its causes , remedial actions. (16 Marks)
b. Write a short note on Fuel Knocking. (04 Marks)

Module-4

- 7 Explain the maintenance carried out of following Main Engine components :
a. Piston. b. Cylinder liner. c. Connecting rod. (20 Marks)

OR

- 8 Explain Inspection of maintenance of Crankshaft and Camshaft of a main engine in detail. (20 Marks)

Module-5

- 9 Explain Trouble shooting and maintenance of following Electrical machineries :
a. Navigational lights b. Electrical motors c. Batteries. (20 Marks)

OR

- 10 Explain the maintenance of Electrical equipments in Oil tankers in detail. (20 Marks)