

# CBCS SCHEME

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15MR81

## Eighth Semester B.E. Degree Examination, June/July 2019 Engine Room Management

Time: 3 hrs.

Max. Marks: 80

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

### Module-1

- 1 a. Write a short note on log book wiring. (05 Marks)
- b. What measure to be taken for in case of flooding of engine room? (06 Marks)
- c. Write a short note on bad weather precaution. (05 Marks)

OR

- 2 a. Write a short note on unsheltered anchorage. (05 Marks)
- b. What measure to be takes for in case of breakage of pipe line in engine room? (05 Marks)
- c. Write the duties to be done in port watch keeping. (06 Marks)

### Module-2

- 3 a. Explain the trouble shoot occurred in air compressor. (04 Marks)
- b. Explain air condition system with a neat diagram and what are the trouble shoots occurring during the watch. (07 Marks)
- c. Explain with a neat sketch the concept of Rudder drop. (05 Marks)

OR

- 4 a. Explain the trouble shoot occurring in fresh water generator. (04 Marks)
- b. Explain the De Carbonization of auxillary engine. (07 Marks)
- c. Explain the trouble shoot occurred in purification during your watch keeping. (05 Marks)

### Module-3

- 5 a. Draw a neat sketch of crack case relied door and explain the requirements of SOLAS. (08 Marks)
- b. Define starting air line explosion write in detail the safety to be taken and action and prevention for starting air line explosion. (08 Marks)

OR

- 6 a. Explain in detail early combustion the effect and causes and draw the PV diagram. (08 Marks)
- b. What is Scavenge fire? Explain the causes and indication, action and prevention for scavenge fire. (08 Marks)

### Module-4

- 7 a. Draw a neat sketch of stuffing box. (08 Marks)
- b. Explain the faults and defects in bearing. (08 Marks)

OR

- 8 a. Draw a neat sketch of cylinder liner used in 2 stroke and 4 stroke. (08 Marks)  
b. Write down the reasons for crank shaft deflection in main engine. (08 Marks)

Module-5

- 9 a. List the maintenance carried in motor. (08 Marks)  
b. What are the safeties to be carried in shore supply connection and draw the circuit diagram? (08 Marks)

OR

- 10 a. List the safeties on Main Switch Board. (08 Marks)  
b. What is circuit breaker? Explain air circuit breaker, Moulded Case Circuit Breaker (MCCB), Miniature Circuit Breaker (MCB). (08 Marks)

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