

CBCS SCHEME

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21MR44

Fourth Semester B.E. Degree Examination, Dec.2023/Jan.2024

Basic Ship Knowledge and Watch Keeping

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain various terms associated with longitudinal view of the ship with a neat sketch. (10 Marks)
b. What is an Engine Room in a merchant navy vessel? Explain. (10 Marks)

OR

- 2 a. Draw a neat sketch of midship section of the ship and explain the terminology. (10 Marks)
b. Explain the following :
i) Anchor ii) rudder iii) Propeller iv) Stern tube. (10 Marks)

Module-2

- 3 a. Describe briefly about container ship. (10 Marks)
b. What is bulk cargo? Explain about bulk carrier ship. (10 Marks)

OR

- 4 a. What are tanker ships? Explain. (10 Marks)
b. Explain briefly about offshore vessels. (10 Marks)

Module-3

- 5 a. What are the role and responsibilities of following officers on a merchant navy vessel:
i) Captain ii) Chief Engineer (10 Marks)
b. Explain the reasons for defention of a vessel. (10 Marks)

OR

- 6 a. Explain about various departments in a merchant navy vessel with a flow chart. (10 Marks)
b. What are the roles and responsibilities of following maritime authority?
i) MMD ii) IMO (10 Marks)

Module-4

- 7 a. What are load line marks on ships side? Explain with a sketch. (10 Marks)
b. Explain the following terms :
i) Anchorage ii) Pilotage iii) Berthing. (10 Marks)

OR

- 8 a. What are the duties of engineer officer during sea watch and in port? (10 Marks)
b. Explain about various systems that are required for operation of the main engine (10 Marks)

Module-5

- 9 a. Explain about different types of fire. (10 Marks)
b. What is grounding? How to overcome from it? Explain. (10 Marks)

OR.

- 10 a. What is SOLAS? Explain. (10 Marks)
b. Explain about fire in the Engine Room. (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.