

# CBCS SCHEME

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18MR744

## Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 Ship Recycling

Time: 3 hrs.

Max. Marks: 100

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

### Module-1

- 1 a. What is ship recycling? Explain how the ship dismantling is carried out at ship breaking yard. (10 Marks)
- b. Explain the following ship breaking methods:  
(i) Afloat method (ii) Dry dock method. (10 Marks)

OR

- 2 a. Sketch and explain the layout of a ship breaking yard. (10 Marks)
- b. Explain briefly about ship breaking practices in India and Bangladesh. (10 Marks)

### Module-2

- 3 a. What is enclosed space? Explain the procedure for entering an enclosed space. (10 Marks)
- b. State and explain the on-board hazardous materials and their recycling methods. (10 Marks)

OR

- 4 a. List and explain nine classes of dangerous cargos transported by ships. (10 Marks)
- b. Explain the cargo fumigation and its importance in shipping. (10 Marks)

### Module-3

- 5 a. Define recyclable content. Explain briefly about ship recycling plan. (10 Marks)
- b. Explain the framework of the ship recycling plan. (10 Marks)

OR

- 6 a. State and explain the six regulations of the international convention for the prevention of pollution (MARPOL) from ship. (10 Marks)
- b. Explain the following :  
(i) Marine Pollution Prevention (ii) Green Passport. (10 Marks)

### Module-4

- 7 a. What is Basel Convention? Explain why the Basel convention was created and how it works. (10 Marks)
- b. Explain the guide lines for the sediment reception facility of MEPC55. (10 Marks)

OR

- 8 a. What is a flag state? Explain the role of a flag state. (10 Marks)
- b. Briefly explain about the following :  
(i) International Labour Organization (ILO) (ii) The London Convention and Protocol. (10 Marks)

### Module-5

- 9 a. Explain the ship breaking industry in India and also explain about the present scenario. (10 Marks)
- b. State and explain the role of Pollution Control Board. (10 Marks)

OR

- 10 a. Explain briefly about Alang – Sosiya ship breaking yard. (10 Marks)
- b. List and explain the hazards associated with ship breaking. (10 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.