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10MR44

Fourth Semester B.E. Degree Examination, June/July 2016
Ship Structure and Construction

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Draw and explain constructional difference between a bulk carrier and a collier. (10 Marks)
b. Write a short note on transverse bending. (10 Marks)
- 2 a. What are the different types of welding? Explain argon arc welding. (10 Marks)
b. Describe testing of welds. (10 Marks)
- 3 a. Write a short note on beams and deck girders. (10 Marks)
b. Draw and explain internal structure if double bottom. (10 Marks)
- 4 a. Differentiate between watertight bulkhead and corrugated bulkhead. (10 Marks)
b. Draw and explain vertical sliding watertight door. (10 Marks)

PART – B

- 5 a. Draw and explain the forward arrangement of a ship. (10 Marks)
b. Explain the arrangements to resist pounding. (10 Marks)
- 6 a. Draw and explain load line and each draught significance. (10 Marks)
b. Write short notes on classification society. (10 Marks)
- 7 a. Draw and explain different types of tank system in liquefied gas carriers. (10 Marks)
b. Draw and explain cargo pumping and piping arrangement. (10 Marks)
- 8 a. Write short note on SOLAS. (10 Marks)
b. Write down all Annexes. (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.