Roll No.							Total No. of Pages : 02

Total No. of Questions: 09

B.Tech.(Marine Engg.) (2013 Onwards) (Sem.-4) BASIC SHIP STRUCTURE AND DESIGN-I

Subject Code: BTME-405 M.Code: 72438

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly:

- a) What is meant by panting?
- b) Explain moulded draught.
- c) What do you understand by beam knee?
- d) What are bulb piates?
- e) What is a deck girder?
- f) What are bulk heads?
- g) What is the function of fire fighting equipments?
- h) Why testing of welded joints are necessary?
- i) What do you understand by shell?
- i) What is the function of portable fire extinguisher?

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SECTION-B

- 2. How ships are classified? Discuss.
- 3. Discuss the uses of flanged beams in ship construction.
- 4. How testing of riveted joints are carried out during the construction of ships? Discuss.
- 5. How fire fighting is done in dry dock? Discuss.
- 6. Discuss the merits and demerits of a non portable fire extinguisher.

SECTION-C

- 7. Discuss the practical techniques adopted for extinguishing fires in cargo holds.
- 8. Describe the water tight opening through bulkheads for electric cables in ships.
- 9. Write a note on bottom and side framing of ships.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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