

Roll No.					Total No. of Pages : 0)2

Total No. of Questions: 09

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

Subject Code: BTMR-405 M.Code: 72438

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

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

SECTION-A

1. **Answer briefly:**

- b) What do you understand by panting?
 c) What are web from
- d) What do you understand by double bottom?
- e) What is deck plating
- f) What are water tight bulk heads?
- g) What are deep tanks?
- h) What is a portable fire extinguisher?
- i) What is the use of fire pumps?
- j) Why testing of welded joints are necessary?



SECTION-B

- 2. Discuss different terms used in ship construction with reference to ship parameters.
- 3. What are different types of sections used in the construction of ship structure? Discuss.
- 4. Discuss the required riveting tests used in ship construction.
- 5. Write a short note on water tight floors.
- 6. Discuss the merits and demerits of non-portable fire extinguishers.

SECTION-C

- 7. How water tight opening through bulkheads for electric cable pipes is arranged in the ship structure? Discuss.
- 8. Discuss the practical techniques adopted for extinguishing fires in boiler room. www.FirstRainker.com
- 9. Write a note on mid-ship section 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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