

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Marine Engg.) (2013 Batch) (Sem.-5)

MARINE AUXILIARY MACHINE

Subject Code : BTMR-501

Paper ID : [72714]

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. Write briefly :

- a) What is meant by auxiliary machinery?
- b) What is the function of spherical cock?
- c) Where do we use control valves?
- d) What is the purpose of packing?
- e) What is a filter?
- f) What is the function of sewage plant?
- g) What do you understand by tail shaft?
- h) What are steam traps?
- i) What is the working principle of Rotary filters?
- j) What is the function of thrust shaft?

SECTION-B

2. Draw the layout of auxiliary machinery in engine room.
3. Describe the drinking water system with a line diagram.
4. Explain duplex strainer with a neat diagram.
5. Discuss the maintenance of windless mooring winches.
6. Discuss the preparation and procedure to dry docking vessel.

SECTION-C

7. Discuss the construction and operation of an incinerator.
8. Explain the procedure of removal and maintenance of rudder and propeller.
9. Discuss the construction, operation and maintenance of lubricating oil purifiers.

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