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10MR35

Third Semester B.E. Degree Examination, Dec.2013/Jan.2014
Elementary Navigation, Seamanship, Survival at Sea

Time: 3 hrs.

Max. Marks: 100

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

PART – A

- 1 a. i) What are the precautions are to be taken on approach of bad weather? (06 Marks)
ii) List any 10 marine nautical meanings of alphabet flags. (10 Marks)
- b. Explain the term: i) Fore castle; ii) Poop deck. (04 Marks)
- 2 Write each 5 points about care and maintenance of synthetic fiber rope, natural fiber rope and steel wire rope. (20 Marks)
- 3 a. Explain with diagram about ECHO SOUNDER. (10 Marks)
- b. Explain with diagram about precision aneroid barometer. (10 Marks)
- 4 List the complete survival package included in life boat; and explain about immersion suit, and sea anchor. (20 Marks)

PART – B

- 5 a. Explain about types of pyrotechniques used on board ships and life boats. (10 Marks)
- b. Prepare a life boat muster list for 20 crew member on board ship and explain what is muster list? (10 Marks)
- 6 a. Explain about food ration provided in life raft and life boat. (10 Marks)
- b. What are the general requirements and specification of life buoys, life jackets? (10 Marks)
- 7 Explain shortly about:
i) SOLAS
ii) STCW
iii) ISPS code
iv) IMO
v) MARPOL. (20 Marks)
- 8 a. What is the different between knots; bends and hitches; and explain the uses of i) Bow line
ii) Clove hitch; iii) Carrick bend. (10 Marks)
- b. Explain about lowering and hoisting of life boat at the time of life boat drill. (10 Marks)

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.

