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10MR751

Seventh Semester B.E. Degree Examination, Dec.2016/Jan.2017
IMO and Maritime Conventions

Time: 3 hrs.

Max. Marks:100

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

PART – A

- 1 a. Explain the general aspects of international legislation of the international Maritime organization and with reference to its structure and composition. (10 Marks)
b. What is a classification society? What are its functions and its objections? List five classification societies. (10 Marks)
- 2 a. Define STCW and with reference to section A – VI/1 of STCW 95, enlist the minimum requirements for i) familiarization and ii) basic safety training. (10 Marks)
b. Draw a training plan for engine room personnel towards successful handling of major fire in engine room. (10 Marks)
- 3 a. What is a unmanned machinery space? Explain how would you as a engineer take over a engine room watch. (15 Marks)
b. List out the additional artificates and endosments needed to work on oil, chemical and gas carrier. (05 Marks)
- 4 a. Explain briefly: i) Maintenance plan; ii) Repair plan; iii) Spare part procurement plan as a part of engine room management. (10 Marks)
b. Explain ship repair management highlighting: i) Assessment of ship repair quotations; ii) Supervision of repairs and testing. (10 Marks)

PART – B

- 5 a. List out atleast 10 statutory artificates that are to be carried on board all vessels. (10 Marks)
b. Define a “Company” and its obligations under “ISM” codes towards safe shipboard operations and enumerate the key ship board operations which should be maintained by a company for successful ship board operations. (10 Marks)
- 6 a. State the main objective of ‘Solar convention 1974’. Discuss the responsibility and control provisions of flag states/contracting governments. (10 Marks)
b. Highlight the objections of ‘COLREG 1972’ convention and all its sections. (10 Marks)
- 7 a. What is SMS? Elaborate units objectives and briefly explain any 3 clauses. (10 Marks)
b. Write a brief note on ILO Maritime labour convention 2006 and its relevance to seafarers. (10 Marks)
- 8 a. Differentiate between statutory, classification and regulatory surveys, listing examples for each. (10 Marks)
b. What is the purpose of a annual survey? List the items to be checked for a annual hull survey of a tanker. (10 Marks)

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Important Note: 1. On completing your answers, compare them diagonally cross-wise 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.