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**Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019**

**IMO and Maritime Conventions**

Time: 3 hrs.

Max. Marks:100

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

**PART – A**

- 1 With reference to classification society, explain the following:
  - a. What is the purpose of a class certificate and role of classification society? (10 Marks)
  - b. Why a class certificate is issued to a newly built ship after satisfactory completion of survey and sea trial? (10 Marks)
- 2
  - a. Explain the principal underlying the STCW convention. (07 Marks)
  - b. Describe what ship board familiarization may involve for watch keeping officer. (07 Marks)
  - c. List the areas in which training is required and areas it is desirable before joining the ship. (06 Marks)
- 3
  - a. What are the basic principles to be observed in keeping an engineering watch while sailing? Which circumstances the watch should not be handed over to the relieving engineer? (10 Marks)
  - b. Explain Mandatory minimum requirements for the training and qualification for engineer officers of oil tankers. (10 Marks)
- 4
  - a. State the difference between flag state control and port state control. (02 Marks)
  - b. Explain “main engine failure” related emergency situations that are dealt, as documented procedures under emergency preparedness. (10 Marks)
  - c. Give 3 examples of deficiency which may lead to detention of your vessel. What could be your course of action if vessel gets detained by PSC? (08 Marks)

**PART – B**

- 5
  - a. List the various statutory certificates to be carried on board for safe trading of vessel with period of validity. (10 Marks)
  - b. With reference to “ISM” code give brief description on:
    - i) Designated person
    - ii) Master’s responsibility
    - iii) Company responsibility (10 Marks)
- 6
  - a. What is Marpol 73/78? Explain all the annexes of this convention in force as well as the annexes which are likely to come in force in near future. (10 Marks)
  - b. How many chapters are there in ‘SOLAS’? Give brief description of these chapters. (10 Marks)
- 7
  - a. With reference to ISM code, write short notes on: (i) DOC (ii) SMC (iii) SMS. (10 Marks)
  - b. Discuss the responsibilities under ILO’s maritime labour convention 2006. (10 Marks)
- 8
  - a. Explain different types of mandatory surveys which are required to be conducted on ship. (10 Marks)
  - b. What is the purpose of an annual survey? What items are included in an annual survey of machinery space? (10 Marks)

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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.