

**INDIAN MARITIME UNIVERSITY**  
(A Central University, Government of India)  
**END SEMESTER EXAMINATIONS –DECEMBER 2018**  
**B. Tech (Marine Engineering)**  
**SEMESTER-VII**  
**IMO AND MARITIME CONVENTIONS (UG11T2703)**

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Date: 31.12.2018  
Time: 3Hrs

Maximum Marks: 100  
Pass Marks: 50

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**PART A**

**Each question carry 3 marks and are compulsory**

(10x3= 30 Marks)

1.
  - a) Name at least six (6) International Conventions/Codes required for safe operation of Merchant ships worldwide?
  - b) Expand the following terms used in STCW Convention & Indian Maritime Administration.  
(i) STCW Code (ii) TAR Book (iii) INDOS (iv) DGS (v) IMO (vi) PSSR
  - c) List down special equipments needed for oil tanker cargo operations.
  - d) List down special requirements for Engineer Officers in oil tankers and chemical tankers.
  - e) Explain in short the terms FSI and PSC with respect to ship's inspection.
  - f) Write down the minimum requirements for certification of ratings of engine room watch.
  - g) Explain Tacit acceptance procedures for Conventions.
  - h) Expand and briefly explain the following: DPA, SMC, NC.
  - i) What is dry docking survey and at what interval is it carried for Cargo ship.
  - j) List seven properties of "Drinking water quality" on board merchant ships as per the guidelines of WHO.

**PART B**

**Answer any five**

5x14= 70 Marks

2. a) What obligation does the Flag State have in maintaining Quality Standards of Seafarers & Maritime Training Institutes? How is that ensured in India? (7 marks)
- b) Write down at least five (5) significant changes in STCW – 1978 and STCW – 1995 Conventions? (7 marks)

3. a) What basic principles are observed in keeping an engineering watch?  
(7 marks)
- b) Explain briefly under what circumstances the watch keeping engineer would refuse handing over the engine room watch to the incoming engineer?  
(7 marks)
4. a) What is clear ground in PSC inspection? Write at least five (5) detainable deficiencies. What actions are required by PSCO and the Master of the ship?  
(7 marks)
- b) What equipments and records are used under Annex I of MARPOL to prevent oil pollution from an Oil tanker? Write down the special area under Annex I of MARPOL.  
(7 marks)
5. a) Briefly explain different categories of Noxious Liquid Substances carried by a tanker. Enumerate their discharge criteria.  
(7 marks)
- b) With respect to ISPS Code, name the statutory certificate issued to a vessel describing briefly the procedure for obtaining and maintaining it?  
(7 marks)
6. a) Write briefly on MLC – 2006.  
(7 marks)
- b) Describe the salient features and up to date requirement for “Revised MARPOL-Annex-VI “  
(7 marks)
7. a) Describe the Certificate issued against Load Line Convention, and name at least four (4) areas inspected during Load Line survey.  
(7 marks)
- b) Enumerate the benefits of Port State Control inspection.  
(7 marks)
8. a) Considering a general cargo ship name at least ten (10) Convention certificates and the type of surveys carried.  
(7 marks)
- b) What is WHO and where is its headquarter? Describe “Maritime Declaration of Health” as required by “International Health Regulation”.  
(7 marks)

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