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***B.Tech. Degree VIII Semester Regular/Supplementary Examination in
Marine Engineering July 2022***

MRE 1805 MARITIME STATUTORY REGULATIONS

(2013 Scheme)

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) State steps involved in adoption, ratification and acceding to IMO Convention. Describe tacit approval procedure. (12)
- (b) Draw loadline marks and state its applicability on a cargo ship. (8)
- OR**
- II. (a) State the objectives and functional requirements of Fire Safety of a ship in accordance with Chapter II-2, SOLAS 1974 as amended. (12)
- (b) State the limits of internal waters, territorial waters, contiguous zone and exclusive economic zone as per UNCLOS 1982 Convention. (8)
- III. (a) State and explain Part A of ISM code. State the areas covered under Part B (12)
- (b) Describe the duties and responsibilities of DPA under ISM code. (8)
- OR**
- IV. (a) Describe various functional requirements of ISPS Code of a sea going ship. (12)
- (b) Explain various security levels applicable on ships and ports under ISPS Code. (8)
- V. (a) State the standard for discharge of cargo wash as per Annex – II, MARPOL 73/78. Explain the content of P & A manual of chemical tanker. (12)
- (b) State criteria for discharging oily water from machinery space of a ship on an international voyage. (8)
- OR**
- VI. (a) Explain in brief regulations to be complied with for issue of an International Air Pollution Prevention Certificate for a ship. (12)
- (b) State the contents of a NOx Technical file. (8)
- VII. (a) Explain in brief the first 4 Titles of MLC 2006. Name the certificates issued under the said Convention. (12)
- (b) State the areas covered under Title 5 'Compliance and Enforcement' of MLC 2006 (8)
- OR**
- VIII. Write short notes on the following: (20)
- (i) Flag State responsibilities under MLC 2006.
- (ii) GT and NT.
- (iii) Minimum requirements for seafarers to work on ship.
- (iv) Hours of work and hours of rest of seafarers as stated in MLC 2006.
- IX. (a) Describe in brief the function of Port State Control. (12)
- (b) Requirements to be complied with for approval as Recognized Organization (8)
- OR**
- X. (a) State the documents to be submitted for registration of ship as required by Indian Merchant Shipping Act 1958 as amended. Name the statutory certificates held by an oil tanker of 20000 GT. (12)
- (b) Discuss the structure of DG Shipping and its allied offices. (8)