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***B.Tech. Degree VIII Semester Examination in  
Marine Engineering July 2017***

**MRE 1805 MARITIME STATUTORY REGULATIONS  
(2013 Scheme)**

Time: 3 Hours

Maximum Marks: 100

(5 × 20 = 100)

- I. (a) Explain the structure and functions of IMO.  
(b) Explain how the various instruments of IMO are adopted.
- OR**
- II. (a) Describe the importance of SOLAS Convention and detail out its contents.  
(b) Write short notes on: (i) tonnage convention (ii) COLREG convention 1972.
- III. (a) Explain in detail the objectives and functions of ISM code.  
(b) Write short notes on: (i) Various requirements of ISM Code (ii) Mandatory external audits under ISM Code and issue of certificates and maintenance of them.
- OR**
- IV. (a) Describe the importance of ISPS Code including the various requirements under that.  
(b) Write short notes on: (i) ship's security plan (ii) various levels of security and controlling measures.
- V. (a) List out in detail the requirement of various equipments and record books required to be maintained under various annexes of MARPOL 73/78 convention.  
(b) Describe the precautions to be taken to prevent pollution of marine environment during bunkering and loading / discharge of oil cargo.
- OR**
- VI. (a) Elaborate the importance and requirements of Ballast Water Management system onboard ships.  
(b) Explain the objectives and requirements of the convention on control of Harmful anti-fouling systems on ships.
- VII. (a) Explain the requirements of the convention MLC-2006.  
(b) What are the certificates issued under MLC and the need for maintenance of them?
- OR**
- VIII. (a) Describe the role of maritime administration and its functions.  
(b) Explain what do you understand by non-conformities and detention of ships.
- IX. (a) Differentiate between Port State Control Inspection and Flag State Control Inspection.  
(b) Explain RPS rules and its requirements.
- OR**
- X. (a) Describe the various statutory and class certificates to be carried onboard and the validity of each one of them.  
(b) Write short notes on Merchant Shipping Act, 1958 and its amendments.