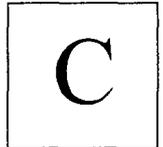


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***B.Tech. Degree VIII Semester Examination in
Marine Engineering July 2014***

**MRE 801 SAFE WATCH KEEPING AND PREPARATION FOR
CLASS IV EXAMINATION
(2006 Scheme)**

Time : 3 Hours

Maximum Marks : 100

(5 x 20 = 100)

- I. Illustrate the importance of 'watch keeping' for safety of ships and protection of environment. Explain fitness for duty. (20)
- OR**
- II. Enumerate the basic principles to be observed in keeping a safe engineering watch. (20)
- III. (a) Explain in detail the special requirements for engineer officers watch keeping on oil tankers. (15)
- (b) What are the special fire precautions taken in oil tankers? (5)
- OR**
- IV. (a) Explain in detail the special requirements for engineer officers watch keeping on chemical tanker and gas tanker. (15)
- (b) What are the special fire precautions taken in gas tankers? (5)
- V. What is the composition of an engineering watch? Indicate the certification of watch keeping personnel and their duties. (20)
- OR**
- VI. What are the routine jobs carried out during a watch? Explain the situation when a watch keeper can refuse to hand over watch to his reliever at the end of the watch and subsequent action (20)
- VII. (a) What are the objectives of I.M.O. and how are they achieved? (12)
- (b) Explain the terms "Tacit Acceptance" and "Explicit Acceptance" used by I.M.O. (8)
- OR**
- VIII. What are the statutory certificates and documents to be carried on board a merchant ship for international voyage? Explain the significance of each. (20)
- IX. Define 'sub-standard ship'. Explain in detail the Port State Control Inspections and what are the usual reasons for the detention of a ship in port. (20)
- OR**
- X. Write short notes on :
- (i) ISPS Code (5)
- (ii) LOAD Line (5)
- (iii) MARPOL 73/78 (5)
- (iv) ISM Code (5)
