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***B.Tech. Degree VIII Semester Regular/Supplementary Examination
in Marine Engineering June 2024***

**19-208-0803 MARITIME STATUTORY REGULATIONS
(2019 Scheme)**

Time: 3 Hours

Maximum Marks: 60

Course Outcome

On successful completion of the course, the students will be able to:

- CO1: Gain knowledge regarding IMO and its structure, UNCLOS, SOLAS and other conventions regarding ship's safety.
 CO2: Understand different provisions of the ISM code and ISPS code.
 CO3: Explain the pollution related to conventions, Acts and regulations.
 CO4: Understand about ILO's Maritime Labour Conventions.
 CO5: Gain knowledge on National Legislations, Flag State and Port State Control.

Bloom's Taxonomy Levels (BL): L1 – Remember, L2 – Understand, L3 – Apply, L4 – Analyze, L5 – Evaluate,
 L6 – Create

PI – Programme Indicators

(Answer *ALL* questions)

(5 × 15 = 75)

		Marks	BL	CO	PI
I.	(a) Describe about ratification and accession of IMO Conventions.	10	L5	1	1.4.1
	(b) Describe in brief the role of MSC and MEPC of IMO.	5	L2	1	1.4.1
	OR				
II.	(a) Describe duties of Coastal State and Port State as enumerated in UNCLOS 1982 Convention.	10	L2	1	1.4.1
	(b) State the details available in the fire control plan of a ship as described in SOLAS 1974 as amended.	5	L5	1	1.4.1
III.	(a) Describe various elements as enumerated in Part A and Part B of ISM Code.	10	L3	2	1.4.1
	(b) State the audits carried out during the validity period of DOC and SMC certificates. Explain additional audit.	5	L4	2	1.4.1
	OR				
IV.	(a) Describe steps involved for certification of a seagoing ship under ISPS Code.	10	L5	2	1.4.1
	(b) Explain the salient features of an equipment used on board ship as per ISPS code for security related functions.	5	L4	2	1.4.1
V.	(a) Briefly explain the regulations to be complied with for issue of IAPP certificate under Annex VI of MARPOL 73/78 as amended. Also explain in brief the requirements for issue of IEEC.	10	L1	3	1.4.1
	(b) State the equipment and arrangements inspected during survey for renewal of IOPP certificate.	5	L3	3	1.4.1
	OR				
VI.	(a) Describe the criteria for the control of oil discharge from machinery space bilges. Explain the details of various equipment and arrangements provided on board ship and listed in the supplement to the IOPP certificate (MARPOL Annex 1) for the above.	10	L3	3	1.4.1
	(b) Explain D1 and D2 under Ballast Water Management System and the status as of now.	5	L5	3	1.4.1

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		Marks	BL	CO	PI
VII.	(a) State the harmful effects of TBT in hull paints. Explain the type of paints now used for hull painting. Name the type of paint which doesn't emit biocides.	10	L4	4	1.4.1
	(b) State the conditions for measurement of noise level on board ships under Noise Code.	5	L1	4	1.4.1
OR					
VIII.	(a) Describe the duties and responsibilities of RPS under MLC 2006.	5	L2	4	1.4.1
	(b) To ensure that seafarers are not fatigued on board ship, MLC 2006 has established maximum hours of work and minimum hours of rest. Justify your answer by describing the provisions detailed under Regulation 2.3 of the MLC 2006.	10	L3	4	1.4.1
IX.	(a) What is a ship classification society? Describe the various types of surveys carried out by classification society for maintenance of classification of ships.	10	L2	5	1.4.1
	(b) What is the basic difference between statutory surveys and classifications surveys?	5	L3	5	1.4.1
OR					
X.	(a) Describe the responsibilities of Flag State as described in UNCLOS.	10	L4	5	1.4.1
	(b) State the documents to be submitted for registration of ship as stated in Indian Merchant Shipping Act 1958 as amended.	5	L1	5	1.4.1

Blooms's Taxonomy Level

L1 – 13.33%, L2 – 20%, L3 – 26.67%, L4 – 20%, L5 – 20%.
