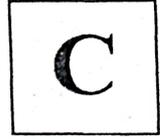


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***B.Tech. Degree VIII Semester Regular/Supplementary Examination  
in Marine Engineering May 2025***

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 ISM code and ISPS code.
- CO3: Explain the pollutions related 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) For provision of various radio communication equipment on board the ship, Chapter IV of SOLAS has divided sea in to four areas. What are these specified sea areas?	5	L4	1	1.4.1
	(b) List the three conventions of IMO which are considered very prominent. What are the procedures followed by IMO for adoption of maritime conventions and their amendments? Describe the advantages and disadvantages of above and substantiate your answer with examples.	10	L1	1	1.4.1
<b>OR</b>					
II.	(a) Describe the various sea zones specified under UNCLOS with the help of a neat sketch. What is meant by 'innocent passage'?	8	L2	1	1.4.1
	(b) Write short notes on the following (i) International tonnage convention (ii) COLREG 1972 convention.	7	L3	1	1.4.1
III.	(a) Define the following as per ISM code (i) Non-Conformity (ii) Major Non-Conformity (iii) observation Describe the Functional requirements for a Safety management system specified by ISM code.	12	L2	2	1.4.1
	(b) Describe the salient difference between the security levels (1,2,3) specified in ISPS code.	3	L2	2	1.4.1
<b>OR</b>					
IV.	(a) Describe the certification process for obtaining the DOC and SMC as per ISM code.	10	L3	2	1.4.1
	(b) List the duties and responsibilities of Ship Security Officer (SSO) and Company Security Officer (CSO) specified by ISPS code.	5	L1	2	1.4.1

(P.T.O.)

		Marks	BL	CO	PI
V.	(a) What are the criteria for the control of oil discharge from machinery space bilges and oil fuel tanks? Describe the details of various equipment's and arrangements provided on board ship as per (MARPOL Annex I) for the above.	8	L3	3	1.4.1
	(b) What are the criteria for management of sewages generated on board ships? Explain the different types of equipment and methods permitted by MARPOL Annex- IV for the above.	7	L2	3	1.4.1
<b>OR</b>					
VI.	(a) State categorization of ships cargoes under Annex II, MARPOL 73/78.	3	L2	3	1.4.1
	(b) What do you mean by EEDI, EEXI, SEEMP, CII as specified in MARPOL Annex-VI? How does the above parameters help to reduce greenhouse gas emissions/decarbonization in international shipping?	12	L4	3	1.4.1
VII.	(a) State any four titles of MLC 2006 and briefly explain their salient purposes.	10	L2	4	1.4.1
	(b) What is meant by DMLC? Who is responsible for its preparation and approval?	5	L3	4	1.4.1
<b>OR</b>					
VIII.	(a) What is the difference between 'Flag state' and Port State'? Describe the salient responsibilities and roles of flag state and port state in shipping.	8	L3	4	1.4.1
	(b) What do you mean by International Convention on the Control of Harmful Anti-Fouling Systems (AFS) on Ships? Describe salient features of AFS convention requirements.	7	L2	4	1.4.1
IX.	(a) Make a list of various statutory certificates required to be carried on board a Bulk carrier ship of 30,000 GT. Give justifications for carrying each of them based on the requirements of relevant IMO conventions.	8	L5	5	1.4.1
	(b) What is the difference between ship classification survey and statutory surveys? Explain different types of surveys commonly carried out on ships for classification and maintenance of class.	7	L3	5	1.4.1
<b>OR</b>					
X.	(a) Directorate General of Shipping (DGS) implement the requirements of international conventions and matters concerning the Indian Maritime Administration. Substantiate your answer by describing the organization structure, role and functions of DGS and its allied offices.	10	L5	5	1.4.1
	(b) Write a short note on RPS (Recruitment and Placement of Seafarers) Rules and their requirements.	5	L2	5	1.4.1

Blooms's Taxonomy Level

L1 – 10%, L2 – 37%, L3 – 30%, L4 – 11%, L5 – 12%.

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