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**B.Tech. Degree VIII Semester Special Supplementary Examination in  
Marine Engineering October 2023**

**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) State steps involved in adoption and entry into force including tacit approval procedure of an IMO convention.	8	L1	1	1.4.1
	(b) Draw loadline marks and states its applicability on a cargo ship.	7	L4	1	1.4.1
<b>OR</b>					
II.	(a) What are the objectives and functional requirements regarding fire safety stated in Solas Chapter II-2?	8	L1	1	1.4.1
	(b) State the limits and explain rights of the state on internal waters, territorial waters, continental shelf and exclusive economic zone as per UNCLOS convention.	7	L2	1	1.4.1
<b>OR</b>					
III.	(a) Describe mandatory external audits and issue of certificates and its maintenance under the ISM code.	8	L2	2	1.4.1
	(b) DPA under the ISM code has many important responsibilities to perform. Justify above statement.	7	L5	2	1.4.1
<b>OR</b>					
IV.	(a) State various functional requirements of the ISPS code on a sea going ship.	8	L1	2	1.4.1
	(b) Examine the conditions in which various security levels under the ISPS code applied to ships and ports.	7	L3	2	1.4.1
<b>OR</b>					
V.	(a) Explain criteria for control of discharge of oily water from machinery space and cargo areas of an oil tanker within and outside special areas as per Annex I of MARPOL 73/78.	8	L2	3	1.4.1
	(b) State categorization of ships and cargoes under Annex II, MARPOL 73/78. Enumerate discharge standard of Annex II cargo wash.	7	L4	3	1.4.1

OR

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		Marks	BL	CO	PI
VI.	(a) Explain the arrangements provided onboard ship and criteria of discharge for the control of sewage pollution as per Annex IV of MARPOL 73/78.	7	L2	3	1.4.1
	(b) Outline various regulations involved for the issue of International Air Pollution Prevention Certificate under Annex VI, MARPOL 73/78.	8	L4	3	1.4.1
VII.	(a) State and briefly explain the first Titles of MLC 2006.	10	L2	4	1.4.1
	(b) What are the certificates issued Under MLC 2006 and detail the need to maintain them?	5	L1	4	1.4.1
<b>OR</b>					
VIII.	(a) Examine briefly the requirements of D1 and D2 standards under Ballast Water Management Convention on ships.	6	L3	3	1.4.1
	(b) Write short notes on : (i) GT and NT (ii) Port State Control (iii) Anti Fouling System	9	L3	5	1.4.1
IX.	(a) Name the documents to be submitted for registration of ship as required in the Indian Merchant Ship Act 1958.	8	L1	5	1.4.1
	(b) DG Shipping and its allied offices have many important functions to perform in the administration of its flagged ship. Justify the above statement.	7	L5	5	1.4.1
<b>OR</b>					
X.	(a) Briefly explain the role of Classification Societies in shipping and name main surveys carried out for maintenance of class.	8	L2	5	1.4.1
	(b) Outline various statutory certificates to be carried onboard a cargo ship for the compliance of various conventions.	7	L4	5	1.4.1

Bloom's Taxonomy Levels

L1 = 25 %; L2 = 32 %; L3 = 15%; L4 = 19 %; L5 = 9 %

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