

Third Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 Basic Ship Knowledge and Watch Keeping

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module. 2. M : Marks, L: Bloom's level, C: Course outcomes.

		Module – 1	Μ	L	C
Q.1	a.	Draw a neat sketch of the longitudinal view of the following and explain : i) Stem ii) Forward perpendicular iii) Aft perpendicular iv) Aft sheer v) Summer load line vi) Length of water line.	10	L1	CO2
	b.	Explain briefly the following : i) Deck ii) Collusion bulkhead iii) Aft bulkhead iv) Accommodation.	10	L2	CO1
		OR			
Q.2	a.	Briefly explain the following : i) Stern tube ii) Aft seal iii) Forward seal iv) Rudder v) Rudder stock.	10	L2	CO2
	b.	Explain briefly the following with neat sketch of tankers : i) Single hull ii) Double hull (Double bottom tank).	10	L2	CO2
		Module – 2			
Q.3	a.	Identify and explain the type of the ship used to carry perishable goods (meat, fish, fruits and vegetables).	10	L3	CO3
	b.	What is Bulk cargo? Evaluate the silent features of 5 type of bulk cargo carriers and importance of various types of bulk carrier ship used to carry dry cargo.	10	L3	CO2
		OR			
Q.4	a.	Explain briefly about the inspection carried out by the PSC when vessel in the port.	10	L3	CO3
	b.	Explain in detail the difference between the flag state control and port state control.	10	L3	CO3
	"all	Module – 3			
Q.5	a.	Explain the resolution of Safe manning of the ships.	10	L2	CO4
	b.	Explain what is certificate of competency as per STCW requirements.	10	L3	CO1
		OR			
Q.6	a.	Explain briefly, DG and MMD and their role.	10	L3	CO4
	b.	Explain the reasons for detention of vessels.	10	L2	CO3

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b. i) Watch keeping is an integral part of the infante Engineering in the sequence of the infante Engineering in the initial initinitial initinitial initialininitial initial initial in	Q.7	a.	Module – 4 Explain the definition of Watch keeping.	10	L2	(
b. 1) Watch keeping is an integrin part of the ming? Explain both in detail. ii) What are the thumb rubs for watch keeping? Explain both in detail. Q.8 a. Explain the following : i) Dock log book ii) Official log book 10 iii) Engine room log book. 10 b. Explain briefly what is Dry dock and who do ships go through dry docking. 10 C.9 a. Explain classification of Fires (types) with examples. 10 b. Explain briefly the following : 10 L i) Fire main system ii) Emergency fire pump. 10 L OR Q.10 a. Explain what action to be taken in case of accommodation fire. 10 L OR			. We tak beging is an Integral part of the marine Engineer	10	L3	(
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