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BMR301

## 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				M	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
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

Module – 4					
Q.7	a.	Explain the definition of Watch keeping.	10	L2	CO4
	b.	i) Watch keeping is an Integral part of the marine Engineer. ii) What are the thumb rubs for watch keeping? Explain both in detail.	10	L3	CO3
OR					
Q.8	a.	Explain the following : i) Dock log book ii) Official log book iii) Engine room log book.	10	L2	CO1
	b.	Explain briefly what is Dry dock and who do ships go through dry docking.	10	L3	CO1
Module – 5					
Q.9	a.	Explain classification of Fires (types) with examples.	10	L1	CO2
	b.	Explain briefly the following : i) Fire main system ii) Emergency fire pump.	10	L2	CO4
OR					
Q.10	a.	Explain what action to be taken in case of accommodation fire.	10	L3	CO3
	b.	Explain the action you would take in case of large fire in engine room.	10	L2	CO4

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