CBCS SCHEME				
USN		1	8MR54	
Fifth Semester B.E. Degree Examination, July/August 2022 Marine Auxiliary Machines				
Time: 3 hrs. Max. Marks: 100 Note: Answer any FIVE full questions, choosing ONE full question from each module.				
		Module-1		
1	a.	What is the purpose/importance of understanding the engine Room layout in ships?	17 Montral	
	b.	Draw the layout of main of auxiliary machineries in engine room of a tanker ship (or	02 Marks) il) 18 Marks)	
OR				
2	a. b.		10 Marks) 10 Marks)	
		Module-2		
3	a. b.		10 Marks) 10 Marks)	
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4	a.	OR Explain about "LIP SEALS" in detail with suitable diagrams.	10 Marks)	
T	b.		10 Marks)	
	Module-3			
5	a.	Explain the comparison of centrifugal and positive displacement pump characteris	tics with	
	h		10 Marks)	
	b.		10 Marks)	
6	a.	OR Sketch and explain construction, working/operation of a gear pump in detail.	10 Marks)	
U	a. b.	Sketch and explain construction, working/operation of a gear pump in detail. (1)		
7	a.	<u>Module-4</u> Sketch and explain fresh water Hydrophore system onboard a ship in detail.	10 Marks)	
,	b.		10 Marks)	
OR				
8	a.	What are the types of Heal transfer and explain them in short. (0	08 Marks)	
	b.	Sketch and explain principle, construction, working of a shell and tube type heat e	_	
			12 Marks)	
0	~	Module-5 Skotah and avalain 2 Ram staaring Geer system in datail	10 Mowles)	
9	a. b.	Sketch and explain 2-Ram steering Gear system in detail. (1) Sketch and explain principle, construction and operation of VANE type steering gea	10 Marks) ur.	
	~ •		10 Marks)	
		OR		
10	a.		10 Marks)	
	b.	Sketch and explain Hunting Gear Mechanism in detail.	10 Marks)	

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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