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Fourth Semester B.E. Degree Examination, June/July 2023 **Marine Electrical Technology**

Max. Marks: 100

	No	ote: Answer any FIVE full questions, choosing ONE full question from each mo	dule.
		Module-1 What was a sketch with a neat sketch	(10 Marks
1	a.	What is Automatic Voltage Regulator (AVR)? Explain with a neat sketch.	(10 Marks
	b.	State the purpose of emergency generator and its location.	(201120111
		OR	
2	•	Explain Three lamp method of synchronization.	(10 Marks
2	a. b.	Draw a neat sketch of Brushless, self excited, error operated excitation systems.	(10 Marks
	υ.	Diaw a near sice.	
		Module-2	
3	a.	State the difference between insulated system and earthed neutral system.	(10 Marks
	b.	Write a note on Shore Supply Connection.	(10 Marks
		OR the chin is LIMS?	(10 Marks
4	a.	Why dead man alarm system is used in engine room when the ship is UMS?	(10 Marks
	b.	Draw a neat sketch of power distribution system of ship.	(10 1/20/20
		Module-3	
_		Draw and explain direct on-line starter.	(10 Mark
5	a. b.	What is single phase motor? Explain the motor maintenance carried in ship.	(10 Mark
	υ.	What is single phase meter. 2.1-p.	
		ŎR	
6	a.	What do you mean by intrinsically safety equipment?	(10 Mark
	b.	What is flame proof enclosure?	(10 Mark
		Module-4	(10 Mark
7	a.	Draw a neat sketch and explain incandescent lamp.	(10 Mark
	b.	What is navigation and signal lights? Explain with a neat sketch.	
	*	OR	
8	9	Explain about the communication system used for internal in ship and explain	any one
O	a.	detail.	(10 Mark
	b.	Write the full form of GMDSS. Explain why it is important.	(10 Mark
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		Module-5	(10 Mark
9	a.	Explain the Battery room maintenance in ship.	(10 Mark
	b.	What is multimeter? How it is used in ship?	(10 Main
		OR	
10		Stretch and explain how insulation resistance is measured.	(10 Mark
10	a. h	With a neat sketch, explain the diode test carried in ship and current clamp mete	r also.
	b.	Will a flour sketch, explain the size of	(10 Mark

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

Time: 3 hrs.