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Eighth Semester B.E. Degree Examination, June/July 2018 Marine Automation

Time: 3 hrs.

Max. Marks: 100

Note: Answer FIVE full questions, selecting atleast TWO questions from each part.

PART - A

1	a b	and the state and dynamic characteristics of transducer? Evolution in detail	(12 Marks) (08 Marks)
2	a. b.	and working of different types of manamatar	(12 Marks) (08 Marks)
3	a. b.	Explain variable capacitor pressure transducer. With neat sketch explain working principle of bi-matallic temperature sensors.	(19 Marks) (10 Marks)
4	a. b.	Explain with neat sketch working of electro-pneumatic converter. Explain the working of current to voltage and voltage to current converters.	(10 Marks) (10 Marks)
		PART – B	
5	a. b.	Explain open loop and closed loop control system with the help of block diagram. Briefly explain proportional control. Integral control and derivative control.	(12 Marks) (08 Marks)
6	a. b.	Explain relay and its types in detail. Briefly explain stacked type controllers.	(12 Marks) (08 Marks)
7	a. b.	Will a fill the fill than that the contract of	(12 Marks) (08 Marks)
8	a. b.	Explain recu water circulation evelom in horizon with the balance in the	(08 Marks) (12 Marks)

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