(10 Marks) (10 Marks)

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

Sixth Semester B.E. Degree Examination, Dec.2019/Jan.2020 **Marine Internal Combustion Engines - II**

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

		PART – A	
			(10 Marks)
1	a.	Explain about the Bullion of the Engineer	(10 Marks)
	b.	How to check the fuel injection pump timing.	(10 Marks)
2	a.	What is local of chieffency manoral mg	(10 Marks)
	b.	Explain the safety points for Remote manoeuring system of marine engine.	(10 Marks)
		417	
3		What is indicator Diagram and its types? What is the purpose of Taking Indicator	Diagram,
3		and how to take Indicate Diagram?	(20 Marks)
		and now to take maleure 2 ing	
		, 1,0 \	
4		Explain the action taken when the Lub oil temperature is abnormally high.	(10 Marks)
4	a.	Why exhaust valve burn? What are the cause of Exhaust valve burning?	(10 Marks)
	b.	Why exhaust valve built: What are the cause of Dahlaust valve surring.	
		PART - B	
			(10 Marks)
5	a.	What are the design features for marine gas turbine plants?	(10 1/11/11/11/11/11/11/11/11/11/11/11/11/1
	b.	Explain:	
		i) Shell and tube type heat exchanger.	(10 Marks)
		ii) Plate type heat exchanger.	(10 Marks)
			(10 Marks)
6	a.	What is Governor and its types? Explain the function of Governor.	(10 Marks)
	b.	Define the following:	
	4	i) Governor Droop	
	C	ii) Compensation	
		iii) Hunting	
		iv) Isochronous Governor	
		v) Governor maintenance.	(10 Marks)
7	a.	Difference between oil cooled piston and water cooled piston	(10 Marks)
	b.	What is the function of piston rings and what are the causes of piston ring failure.	(10 Marks)
	Ü.		
8	a.	What is the function of crosshead and explain why crosshead bearing is prone to f	ailure?
0	a.	THE ID THE TAILOR	(10 Marks)

Explain about the Fuel oil Treatment.