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B.Sc. (Part-III) Semester-V Examination

5S: ELECTRONICS

(Measuring Instruments)

Time : Three Hours]					[Maximum Marks: 80		
	Note:—(1) Question No. 1 is compulsor						
			(2) Draw diagrams wherever necessary.				
1.	(A)	Fill	in th	e blanks :—			
		(i) The transducer converts Physical quantity into equivalent					
		(ii) LVDT stands for					
		(iii) Pyrometer uses thermal radiation for measurement of					
		(iv) DCM stands for					2
	(B)						
	1925-01 - 1935	(i) Electrical activity of brain is measured by using				sing:	
			(a)	ECG	0.50	EMG	
			(c)	EEG		None	
		(ii) Free running multivibrator is also kn					
			(a)	Monostable		Bistable	
			(c)	Astable	S/ 50	None	
		(iii) RTD stands					
		()	(a)	Resistance temp. detector	(b)	Resistance thermal detector	
			(c)	Radiant temp. detector	1000.00	Resistance temp. device	
		(iv) Output voltage at null position of LVI			87 10	(20)	
	()			Null Voltage		Residual Voltage	
			(c)	Effective Voltage	250,275	None	2
			8. 61	•	(u)	None	2
	(0)		What is the function of reset input in IC555?				
					11033.	5 !	
		(ii)					
(iii) What is transducer?						4	
		(iv)	Wh	at is Pyrometer?			4
YBC-	—153 1	9		i i			(Contd.)

Explain pulse oximeter.

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