

YBC-15297

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B.Sc. (Part—II) Semester—IV Examination

4S: ELECTRONICS

(Communication Electronics and 8085 Microprocessor)

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2
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4
6
6

(Contd.)



	OR	stranker's choice	www.FirstRanker.com	www.FirstRanker.com	n	
	(P)	Draw the block diagram of su	perheterodyne receiver ; explai	n its block diagram.	5	
	3 1	State the needs of modulation.			3	
	(R)	R) What are the advantages of AM?			3	
	EITHER					
3.	 (A) Explain the working of LED as optical source. 				5	
	(B) Explain different types of optical fibers.				5	
	OR	R				
	(P)	P) Draw the block diagram of fiber optic communication system; explain function				
		block.			5	
	(Q) Explain the Jointer and Couplers.				6	
	EIT					
4.	(A)	Explain PAM and PWM.			6	
	(B)	State and explain FDM with	help of suitable diagram.		6	
	OR					
		What is multiplexing? Explain			6	
	(Q)	What is PCM? Explain PCN	1 used in digital communication		6	
5.	(A)		085 microprocessor and explain	n the function of:		
		(i) ALU (ii) SP (i	ii) PC	,	6	
			nd three byte instructions with s	uitat le example.	6	
	OR	OR				
	(P)				6	
		(Q) Draw and explain timing diagram for MOV r ₁ , r ₂ instruction.				
		HER				
6.	(A)	A) Explain the classification of instruction set of 8085 microprocessor with example.			6	
	(B)					
	OR					
	(P) Draw the flow chart and write ALP for finding of minimum of two numbers.				6	
	(Q) Explain the stack and stack related instructions with suitable example.				6	
	EITHER					
7.	(A)	Draw the block diagram of	8255 PPI and explain the work	ing of each block.	6	
	(B)	Explain the control word for	rmat for I/O mode of 8255 PPI		6	
	OR	OR				
	(P)	Explain Synchronous and As	ynchronous data transfer schem	es.	6	
	(Q)	 Explain memory mapped I/O and I/O mapped I/O scheme. 				
YB	C152	97	2	2	75	