PRN:		Course Code:	P60PE201

First Year **M. Sc.** End Semester Examination Summer 2024

Electronics

Day and Date: 27 MAY 2024 , Mon Max Marks: **50**

Time: 02:00PM To 04:00PM Duration: **02** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Give four features of 8085 Microprocessor.	02	L2	CO1
	b)	What is the function of pin AD0-AD7 of 8085 microprocessor?	02	L2	CO2
	c)	What is Bipolar Junction Transistor? Give its types.	02	L3	CO3
	d)	Write a note on Low pass filter.	02	L3	CO4
	e)	Give two Applications of Oscillators.	02	L3	CO5
Q.2		**Attempt any two from the following**			
	a)	Explain pin functions of 8085 with neat diagrams.	05	L2	CO1
	b)	Explain 8085 System Bus.	05	L2	CO1
	c)	Write a note on Instruction set classification.	05	L3	CO1
Q.3		**Attempt any two from the following**			
	a)	Give the difference between Microprocessor and Microcontroller.	05	L4	CO2
	b)	Write a note on 8051 Family.	05	L3	CO2
	c)	Explain the architecture of 8051	05	L2	CO2
Q.4		**Attempt any two from the following**			
	a)	Explain Construction and Working of common emitter BJT Amplifier.	05	L2	CO3
	b)	In the op-amp circuit shown in the figure below, the input voltage is 1V. The value of the output V_0 is	05	L5	CO3

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