	Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017	2020-21 EXM/P/09/00

Year and Program:2020-21	**School of Technology**	**Department of S.Y.B.Tech**
Course Code: CST213	**Course Title: Microprocessor & Microcontroller**	**Semester – III**
Day: Wednesday **Date: 10-2-2021**	**End Semester Examination (ESE)**	**Time: 2 Hours** **Max Marks: 50**

Instructions: 1) All questions are compulsory.
2)Figures to the right indicate full marks.

			Marks	Bloom's Level	CO
Q.1		**Answer the following (any two)**			
	a)	Draw and explain the 8085 microprocessor architecture	08	L_3	CO1
	b)	Elaborate the addressing modes of 8086 microprocessor	08	L_2	CO2
	c)	What is DMA? Explain 8237 registers and operating modes in detail.	08	L_3	CO4
Q.2		**Answer the following (any two)**			
	a)	Define the assemble directive? Explain any six assembler directives with suitable example	08	L_3	CO2
	b)	Draw and explain architectural block diagram of 8051 microcontroller	08	L_3	CO5
	c)	Explain the salient features of 8051 Microcontroller	08	L_2	CO6
Q.3		**Answer the following (any two)**			
	a)	Explain synchronous and asynchronous serial communication in detail.	09	L_3	CO4
	b)	Explain coprocessor configuration of 8086	09	L_2	CO3
	c)	Explain bus allocation schemes with block diagram.	09	L_2	CO3

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