	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 and Date: 10-2-2021, Wednesday	**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)	With a neat diagram explain in detail the architecture of 8086 microprocessor	08	L_3	CO2
b)	Illustrate the addressing modes of 8085 microprocessor	08	L_2	CO1
c)	Explain the 8086 minimum mode configuration with block diagram.	08	L_2	CO2
Q.2	**Answer the following (any two)**			
a)	Draw & Explain block diagram of 8087 Numeric Data Processor.	08	L_2	CO3
b)	Draw and explain architectural block diagram of 8051 microcontroller	08	L_3	CO5
c)	Explain synchronous and asynchronous serial communication in detail.	08	L_3	CO4
Q.3	**Answer the following (any two)**			
a)	Draw and Explain 8255 PPI IC	09	L_3	CO4
b)	Explain coprocessor configuration of 8086	09	L_2	CO3
c)	Give the difference between Microprocessor and Microcontroller	09	L_3	CO5

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