SANT GADGE BABA AMRVATI UNIVERSITY, AMRAVATI
Summer Examination 2020 Credit Point
HVPM's College of Engineering and Technology, Amravati
Department of Electronics & Tele communication Engineering
Bachelor of Engineering Sem. :- V

Subject :-Microprocessors & Microcontrollers(new) **Code :- 5ET3**

Instructions:-

1) **Solve any two questions**
2) **All question carry equal marks**

Q1.

a)	Draw the Architecture of 8085.	02 Credit Point
b)	What is data transfer instruction explain any one in brief.	02 Credit Point
c)	Explain in brief 8255 PPI IC	02 Credit Point
d)	Draw pin diagram of 8051	02 Credit Point
e)	What are addressing modes of 8051	01 Credit Point
f)	What are the data types in C for 8051 MC.	01 Credit Point

Q2.

a)	Explain Timing diagram of 8085	02 Credit Point
b)	Explain MVI & SBI instructions with example	02 Credit Point
c)	Explain the role of USART in 8085	02 Credit Point
d)	Explain the features of 8051	01 Credit Point
e)	Explain the modes of Serial communication In 8051	02 Credit Point
f)	Draw interfacing diagram of stepper motor with 8051	01 Credit Point

Q3.

a)	Explain addressing modes of 8085	02 Credit Point
b)	Write a program to Add 16 bit data & stored the result into B & D registers.	02 Credit Point
c)	Explain in brief programmable interval timer (8254)	02 Credit Point
d)	Explain in brief special function registers of 8051	01 Credit Point
e)	Explain the instruction in 8051 -MOVX A, @R0	01 Credit Point
f)	Write a program to generate Triangular wave by ALP using DAC0808	02 Credit Point

Q4.

a)	Explain flag register of 8085	02 Credit Point
b)	What do you mean by stack & subroutine program of 8085	01 Credit Point
c)	Draw interfacing diagram of USART 8251 with 8085	02 Credit Point
d)	Explain memory organization of 8051	02 Credit Point
e)	Write an ALP for to display the data of "MICRO" on LCD	01 Credit Point
f)	Explain H Bridge network of DC Motor in 8051.	02 Credit Point