

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Mid Semester Examination – March 2019

Course: B. Tech in Information Technology Sem: IV Duration:- 1 Hr.

Subject Name: MPMC Microprocessor & Microcontroller

Subject Code: BITTC401 Max Marks: 20 Date:-11/03/2019

Instructions to the Students:

1. All questions are compulsory
2. Assume suitable data whenever necessary

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Q.1 Attempt all questions.			6
1. BIOS stands for _____ and DOS stands for _____		CO1	
2. for character input with echo, INT 21 require _____ parameter.		CO1	
3. _____, _____ are segment registers.		CO1	
4. 8086 works in _____ mode and _____ mode operation.		CO1	
5. the default segment registers assigned to the following registers ; (i) SP _____ (ii) DI _____ (iii) IP _____ (iv) BP _____		CO2	
6. ASSUME and DB, DW are _____ directives.		CO2	
Q.2 Solve Any Two of the following.			3 X 2 = 6
(A) Draw block diagram of 8086, list major components.		CO1	
(B) How 8086 generates 20-bit physical address?		CO3	
(C) Explain arithmetic instructions of 8086		CO2	
Q.3 Solve Any One of the following.			8
(A) Elaborate interrupt structure of 8086		CO2	
(B) Determine the content of register AX, BX & CX after the each instruction is executed in the following program MOV CL, 04 MOV AX, 007EH MOV BX, 0404H ROL AX, CL AND AH, BH OR BL, AL		CO3	
*** End ***			

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