Reg. No. : ....

Name : ....

III Semester B.C.A. Degree CBCSS (OBE) Reg./Sup./Imp. Examination,
November 2021
(2019 – 2020 Admission)
Core Course : 3B06BCA
INTRODUCTION TO MICROPROCESSORS

Time : 3 Hours

Max. Marks : 40

PART – A
(Short Answer)

(6×1=6)

Answer all questions.

1. What is immediate addressing mode ?

2. Explain AX Register.

3. What is pipelining ?

4. What is the use of code segment ?

5. Define instruction pointer.

6. Define stack.

PART – B
(Short Essay)

(6×2=12)

Answer any 6 questions.

7. Differentiate Maskable and Non-Maskable interrupts.

8. Explain the features of Microprocessors.

9. Explain the bus organization of 8085 microprocessor.

10. Explain any two control flags.

11. What is the use of segment register ?

P.T.O.

12. Explain the pin ALE.

13. Explain the instruction to transfer the address.

14. Explain any two loop instructions.

PART – C
(Essay)

Answer **any 4** questions. (4×3=12)

15. What is the function of Execution Unit ?

16. Explain the features of 8257 DMA Controller.

17. Explain Interrupt vector table.

18. Explain conditional flags.

19. Explain bit manipulation instructions.

20. Explain DMA controller.

PART – D
(Long Essay)

Answer **any 2** questions. (2×5=10)

21. Discuss various instruction sets in 8086 microprocessor.

22. Explain 8086 pin diagram.

23. Explain the architecture of 8085 microprocessor with diagram.

24. Explain Interrupts, types of interrupts and Interrupt Service Routines.

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