Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE)/(Electronics & Computer Engg.)/(IT) (2011 Onwards)
(Sem.–4)

MICROPROCESSOR & ASSEMBLY LANGUAGE PROGRAMMING
Subject Code : BTCS-404
M.Code : 56607

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Explain the following :

1. Interrupt

2. Data Bus

3. Flags

4. DAD Instruction

5. 3-byte Instruction

6. DMA

7. Use of 8251

8. PUSH Instruction

9. ANI

10. Latch Signal

SECTION-B

11. Write a note on Motorola 68000.

12. Describe serial and parallel data transfer techniques.

13. What is the use of DMA controller?

14. Differentiate between instruction, machine and clock cycle.

15. Write an assembly language program to swap two numbers.

SECTION-C

16. Explain the architecture and pin diagram of 8085.

17. Explain USART in detail.

18. Explain how traffic light system can be interfaced with 8085.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.