

B.C.A./B.C.A. (Lateral) DEGREE EXAMINATION, MAY 2010.

MICROPROCESSOR AND PERSONAL COMPUTERS

(2003 onwards)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Explain the microprocessor based system block diagram. (12)
- (b) Write short note on Types of microprocessors. (8)
2. (a) What are the two groups of microprocessor registers? Explain. (12)
- (b) Describe about polling routine. (8)
3. (a) Discuss the addressing modes of 8085. (12)
- (b) What is instruction cycle? Explain. (8)
4. (a) Write instructions to add two hexadecimal numbers stored in two consecutive location and store the result at the third location. (10)
- (b) Draw the flowchart to findout the largest of the three numbers A,B and C. (10)
5. (a) Explain briefly about semiconductor memory family. (12)
- (b) Write short notes on Disk capacity. (8)
6. Discuss the following :
 - (a) parallel transmission. (12)
 - (b) serial transmission. (8)
7. (a) Describe about PC hardware. (8)
- (b) Write briefly on ISA, EISA, VESA and PCI. (12)
8. What are the two types of preventive maintenance procedure? Explain. (20)