

DE-7045**21**

DISTANCE EDUCATION
 B.C.A/B.C.A(Lateral) DEGREE EXAMINATION,
 DECEMBER 2009.
 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) Describe briefly about Address Bus and Data Bus. (14)
- (b) Write short notes on SSI and LSI. (6)
2. (a) Explain the functional Block diagram of 8085. (12)
- (b) Write briefly on General purpose Registers. (8)
3. (a) Discuss the functions of 8085 Instructions. (12)
- (b) Describe about Direct Addressing Mode. (8)
4. (a) Obtain 2's complements of the number stored at memory location FC10 (H) and store the result at location FC11 (H). (10)
- (b) Draw the flowchart for the solution of the linear equation $a \times + b = c$ (10)
5. (a) Describe any four semiconductor memory Family. (12)
- (b) Write briefly on Floppy Disk. (8)
6. Discuss the following Data Transfer Schemes.
 - (a) Programmed I/O Data Transfer (8)
 - (b) Interrupt I/O Data Transfer. (12)
7. (a) Explain the single inline memory module (SIMM). (8)

(b) Write short notes on ISA, EISA, VESA and PCI. (12)

8. Discuss the following:

(a) Active Preventive Maintenance Procedure. (10)

(b) Passive Preventive maintenance Procedure. (10)

1.
