

### SECTION-B

- Q2) With the help of diagram explain maximum mode of 8088.
- Q3) What is the importance of isolated I/O interface in 8086/8088? Also explain minimum mode 8088 system I/O interface.
- Q4) Compare and contrast ROM, RAM, and flash memory.
- Q5) Explain the interrupt vector table and also explain what the different interrupt instructions available are.
- Q6) Discuss the different addressing modes supported by 8086 with suitable example.
- Q7) Explain I/O handshaking and parallel printer interface.

Roll No.

Total No. of Questions : 07

Total No. of Pages : 02

### BCA (2011 & Onward) (Sem.-4) MICROPROCESSORS & MICROCONTROLLERS

Subject Code : BSBC-402

Paper ID : [B0241]

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 SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

#### SECTION-A

Q1) Write briefly :

- a) State the number and type of registers in the 8086.
- b) Explain the purpose of the status register.
- c) What is the purpose of segment register?
- d) What are the index registers in 8086?
- e) Define PSP and its structure.
- f) Define macros with the help of an example.
- g) Write Role of addressing mode.
- h) Define Serial & parallel interfaces.
- i) Define word length of 8086.
- j) What is the function of clock generator?