

Attempt any four:

5*4=20

1. What is a microprocessor?
2. What is the function of accumulator?
3. What is the difference between ROM and RAM?
4. How the advances microprocessors were evolved?
5. What are the basic building blocks of a microprocessor?
6. Differentiate between EEPROM and EPROM?

Attempt any four:

5*4=20

1. Which type of architecture 8085 has?
2. What is the difference between MOV and MVI?
3. What are the different addressing modes in 8085?
4. What is ALE? Explain the functions of ALE in 8085.
5. What are the different flags in 8085?
6. What is a program counter? What is its use?

Attempt any two:

10*2=20

1. Explain in detail the various data addressing modes of 8086 microprocessor.
2. Draw the architecture of 8086 microprocessor and explain the function of different blocks.
3. Make a list of the status of control flags provided in 8086. Describe the function of each of these flags.

Attempt any two:

10*2=20

1. Draw the architecture of 8255 and explain it.
2. What are the advantages of DMA controlled data transfer over interrupt driven? What are the registers available in 8257?
3. List the major component of 8279 keyboard display interface and explain their functions.

Attempt any two:

10*2=20

1. Draw and explain the block diagram of 8051.
2. List the differences between 80286 and 80386.
3. Explain the architecture of Pentium.