

UNIT-II

8051 Microcontroller

Multiple Choice Questions

1. 8051 is a _____ microcontroller.

- a) 4-bit
- b) 8-bit
- c) 16-bit
- d) 32-bit

Answer: b) 8-bit

2. The number of I/O ports in 8051 is

- a) 2
- b) 3
- c) 4
- d) 5

Answer: c) 4

3. How many timers are available in basic 8051?

- a) 1
- b) 2
- c) 3
- d) 4

Answer: b) 2

4. The serial communication register is

- a) SBUF
- b) ACC
- c) DPTR
- d) PSW

Answer: a) SBUF

5. Which interrupt has the highest priority by default?

- a) Timer 0
- b) External Interrupt 0

- c) Serial Interrupt
- d) Timer 1

Answer: b) External Interrupt 0

Fill in the Blanks

1. The 8051 contains 4 parallel I/O ports.
2. The accumulator register is denoted by A.
3. Timer 0 and Timer 1 are 16-bit timers.
4. The data pointer register is called DPTR.
5. The serial buffer register is SBUF.
6. The program counter register is abbreviated as PC.