DEPT: EEE   **YEAR/SEMESTER**: III / V

SUB.NAME: Microcontroller

Each question carries 1(one) mark in PART-A and 12(twelve) marks in PART-B

PART-A

1.what is microcontroller?

2.Define DPTR

3.what is the use of EA pin?

4.what is the purpose of SFRs?

5.what is the different addressing modes of 8051?

6.How is the internal Ram classified?

7.what is the purpose of PSW Registers?

8.what is the program counter?

9.what is the use of carry flag?

10.Define Clock cycle

11.Define Machine cycle

12.Define instruction cycle.

13.what is interrupt signal?

14.How many instruction used in 8051?

15.what is the use of PSEN signal?

PART-B

1.Draw and explain the block of diagram of 8051 microcontroller.

2.Draw and explain the pin diagram of 8051.

3.Explain memory organization of 8051.

4.Explain special function Registers.

5.Explain Arithmetic instruction used in 8051.