P.V.G.'s
Muktangan English School & Jr. College, Pune - 09
Unit Test 1 (2024-25)
Std-XII

Subject: Computer Science(Paper 2) **Marks: 25 M**
Date:26/07/2024 **Time:10.15 am to 11.30am**

Q 1) A) Select the correct alternatives and rewrite the sentence. **(5 M)**

1) ALU is ____ bit unit in 8085 microprocessor.
   a) 8 c) 16
   b) 32 d) 64
2) The register in the CPU that keeps track of the address of the next instruction to be fetched from program memory is called the _____.
   a) Program Counter c)Instruction register
   b) Accumulator d) Stack Pointer
3) _____ bus is one way data path from MPU to all devices.
   a) Data c) Address
   b) Control d) None of the above
4) The flag register of 8085 contains_____ flags.
   a) 8 c) 3
   b) 7 d) 5
5) Microprocessor 8000 is manufactured by _____.
   a) Intel c) Motorola
   b) Zilog d) Toshiba

Q 2) Answer any two of the following: **(10 M)**

1) What is the purpose of following registers in 8085 Microprocessor.
   a) Program counter b) Accumulator
2) Draw Internal block diagram of 8085.
3) Draw a block diagram of typical Microcomputer system. Explain the function of each block in short.

Q 3) Answer the following: **(10 M)**

1) Write a short note on “Evolution of Microprocessor”.
2) Draw a pin diagram of 8085 Microprocessor Chip.