Tula's Institute

1st Continuous Internal Evaluation Even Semester (March 2022)

Subject Name with Code: Microprocessor & its applications

Program/Branch/Year: B.Tech/CSE/III **Time Duration: 90 min**

Maximum Marks: 30

Q No.1 Attempt all. **(1 X 6 =6)**

a) **8085 has memory size.....** **(CO1) (Level 2)**
b) **Pentium was introduced in .....** **(CO1) (Level 2)**
c) **8085 has..... address bus.** **(CO1)(Level 2)**
d) **8086 has .....registers.** **(CO2)(Level2)**
e) **8086 has .....data bus.** **(CO2)(Level 2)**
f) **8085 has..... pins.** **(CO2)(Level 2)**

Q No.2 Attempt any three. **(4 X 3 =12)**

a) **Explain components of microprocessor.** **(CO1)(Level 3)**
b) **Explain Program counter & stack pointer of 8085.** **(CO1)(Level 3)**
c) **Explain features of 8085.** **(CO1)(Level 3)**
d) **Differentiate between 8085 & 8086.** **(CO1)(Level 3)**

Q No.3 Attempt any three. **(4 X 3 =12)**

a) **Explain pipelining in 8086.** **(CO2)(Level 3)**
b) **Explain register organization of 8086.** **(CO2)(Level 3)**
c) **Explain features of 8086.** **(CO2)(Level 3)**
d) **Explain BIU and EU of 8086 architecture.** **(CO2)(Level 3)**