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) **8085 was introduced in.....** **(CO1) (Level 2)**
c) **8085 has..... data bus.** **(CO1)(Level 2)**
d) **8086 has ..... index registers.** **(CO2)(Level 2)**
e) **8086 has .....address bus.** **(CO2)(Level 2)**
f) **8086 has..... pins.** **(CO2)(Level 2)**

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

a) **Explain evolution of microprocessor.** **(CO1)(Level 3)**
b) **Explain Accumulator & flag register of 8085.** **(CO1)(Level 3)**
c) **Explain register array & ALU of microprocessor.** **(CO1)(Level 3)**
d) **Differentiate between 8085 & 4004.** **(CO1)(Level 3)**

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

a) **Explain segment and index registers in 8086.** **(CO2)(Level 3)**
b) **Explain architecture of 8086.** **(CO2)(Level 3)**
c) **Explain 20 bit physical address generation of 8086.** **(CO2)(Level 3)**
d) **Evaluate the physical address :** **(CO2)(Level 3)**
[CS] =2222 H, [IP] = 4348 H, [DI] = 3333 H