



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 hasregisters. | (CO2)(Level2) |
| e) 8086 hasdata 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) |

Vision

- To emerge as an academic centre producing world class professionals promoting innovation and research.

Mission

- To promote intellectual and skilled human capital generating employment and entrepreneurship.
- To be an educational centre of excellence of multi ethnicity and diversity.
- To establish a technology driven teaching learning institution.
- To provide world class platform for research and innovation.
- To inculcate social, environmental, heritage values.