

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Explain the functions of each component of a computer. CO1 K4
(or)
- 11.b. Classify microcomputers. Explain any two. CO1 K2
- 12.a. Categorize the 8085 instruction set according to word size. Explain any one. CO2 K4
(or)
- 12.b. Write a note on signed integer and unsigned integer. CO2 K2
- 13.a. Discuss the basic concept of memory interfacing. CO3 K2
(or)
- 13.b. What do you mean by bus timing in an 8085 microprocessor? Explain. CO3 K3
- 14.a. Explain the data transfer scheme of 8085 & its type. CO4 K3
(or)
- 14.b. Explain Peripheral I/O instructions. CO4 K2
- 15.a. Explain the features of PPI. CO5 K2
(or)
- 15.b. List out the applications of microprocessor. CO5 K1

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Discuss about organization of a microprocessor based system. CO1 K2
(or)
- 16.b. Explain microprocessor initiated operations & 8085 bus organization. CO1 K3
- 17.a. Classify the 8085 instructions set. Explain any two. CO2 K2
(or)
- 17.b. Explain the overview of the 8085 instruction set. CO2 K3
- 18.a. Write a detailed note on memory read machine cycle of 8085. CO3 K2
(or)
- 18.b. Why AD₀ – AD₇ lines are multiplexed? Explain. CO3 K6
- 19.a. Explain the mechanism of I/O execution. CO4 K3
(or)
- 19.b. Discuss about the interfacing output displays. CO4 K2
- 20.a. Discuss about the programmable DMA controller with a neat diagram. CO5 K2
(or)
- 20.b. Explain DC motor speed control system. CO5 K3
