

Gour Mahavidyalaya
Department of Computer Science
B. Sc. 3rd Year Hons
Test Examination- 2020
Paper – VII

Full Marks: 20

Answer all the questions.

10 x 2 = 20

1. Explain the functions of the ALE and IO/\bar{M} signals of the 8085 Microprocessor.
2. Write at least two examples of each type of instructions available in 8085 Microprocessor.
3. Write the Addressing Mode, Bytes, Machine Cycle, Tstate of the following instructions: a. LDA address, b. JC address.
4. What will be the execution time of the instruction LXI H, 2050H?
5. Seven channels, each with a 20 KHz bandwidth, are to be multiplexed together. What is the minimum bandwidth of the link if there is a need for a guard band of 10 KHz between the channels to prevent interference?
6. What is bit padding in TDM?
7. Differentiate UTP and STP.
8. Explain writing policies available for Cache Memory.
9. Why DMA is required?
10. Write the disadvantages of Daisy Chaining.