



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

M.Sc. Examinations 2020
Semester IV
Subject: ELECTRONICS
Paper: ELC - 402
(Theory)

Full Marks: 40

Time: 2hrs.

Candidates are required to give their answers in their own words as far as practicable.

Answer any one of the following:

1. Describe the architecture of 8085 microprocessor.
2. Explain the opcode fetch cycle of 8085 microprocessor.
3. Discuss the different types of semiconductor memories.
4. Explain interrupts for 8085 microprocessor.
5. Write your understanding about programmable peripheral interface 8255.
6. Explain IEEE-488 standard and IEEE-488 bus.
7. Discuss the internal block diagram of 8086.
8. Explain the physical address formation in 8086.
9. Discuss a typical minimum mode 8088 system.
10. Bring out the architectural and signal differences between 8086 and 8088.
11. Discuss the architecture of 8051.
12. Explain the timer register operations available in 8051.