S.No. of Question Paper:
Unique Paper Code: 32227518
Name of the Paper: Embedded Systems
Name of the Course: B.Sc. (Hons.) Physics
Semester: V
Time: 3:00 Hrs.   Max. Marks: 75

1. What are the various types of machine cycles that 8085 has and what are their functions?

2. Explain the operation of SID and SOD pins on 8085 and the assembler instructions to use these pins.

3. Explain the salient features of 8051 microcontroller.

4. How does 8051 perform serial communication? Explain in detail, the pins, modes and associated registers.

5. Explain the interrupt structure on 8051 microcontroller.

6. What is the shortest and longest instruction on 8085? Explain their operation, machine cycles, size of instruction and flags they affect.