ABV- Indian Institute of Information Technology & Management, Gwalior

EE303: Microprocessor and Interfacing

Minor Examination (Session 2023–24)

Maximum Time: 1.5 Hours **Max Marks: 25**

Note: Attempt all questions. Clearly state assumptions wherever necessary.

1. Explain the architecture of 8085 microprocessor with a neat diagram.   (5 Marks)

2. Discuss the functions of the following pins of 8085: (i) ALE   (ii) IO/M'   (iii) HOLD   (5 Marks)

3. Write an assembly language program to add two 8-bit numbers stored at consecutive memory locations.   (5 Marks)

4. Differentiate between memory-mapped I/O and I/O-mapped I/O.   (5 Marks)

5. Explain the concept of interrupts in 8085 with suitable examples.   (5 Marks)