2316   15

Class – MSc (CS)-IV Sem

Subject – Microprocessor & its Applications

Time Allowed : 3 Hours   **Maximum Marks : 100**

Attempt any five questions. All questions carry equal marks.

I. (a) Discuss the evolution of microprocessor.

  (b) Discuss the concept of Status Registers.

II. Discuss the architecture and software model of 8086/8088.

III. (a) How a 20 bit Physical Address is generated in 8086/8088?

  (b) Write a note on LDS.

IV. Discuss the various addressing modes of 8086/8088.

V. (a) Draw the pin diagram of 8086/8088 and write the difference between them .

  (b) Write a note on compare instruction.

VI. (a) Write a note on shift instruction

  (b) Write a maximum mode read bus cycle of 8086.

VII. Explain interrupts and interrupt handling instruction in detail.

VIII. (a) Compare the working of SRAM and DRAM.

  (b) Write a note on internal interrupts.

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