Standard XII – Computer Science II

Introduction to Microprocessor & Organization of 8085 Microprocessor

Question Bank

Q.1 What is Microprocessor? List its functions.

Q.2 Write a short note on evolution of microprocessor giving one example from each generation.

Q.3 What is bus? Explain bus structure of 8085 microprocessor.

Q.4 Draw a neat block diagram of microcomputer? Explain each block function in brief.

Q.5 Draw the diagram of CPU registers of Intel 8085 with function of each register.

OR

Q.5 Draw programming model of Intel 8085 with function of each register.

Q.6 What are flags? Enlist the different flags provided by 8085 microprocessor. Explain when they are set or reset.

Q.7 The flag register of 8085 microprocessor contains the data 95H. Interpret its meaning.

Q.8 The flag register of 8085 microprocessor contains the data BCH. Interpret its meaning.

Q.9 If the content of accumulator is CBH and the content of register B is E9H. What will be the status of all flags of 8085 microprocessor after execution of an instruction ADD B.

Q.10 If the content of accumulator is 37H and the content of register C is 40H. What will be the status of all flags of 8085 microprocessor after execution of an instruction SUB C.

Q.11 Write the functions of Accumulator.

Q.12 Write a short note on

(a) Program Counter

(b) Stack Pointer