

Time:- Three Hours]

[Maximum Marks:50

Note: Answer all questions. The figures in the right-hand margin indicate marks. Answer should be brief and to the point. Draw diagrams to justify your answers. Assume suitable data if required.

Unit-I

- (1) (a) Explain micro, mini, mainframe and super computer. 5
 (b) What do you mean by computer software? Explain various types of computer software with example. 5

OR

- (a) Write the time span and characteristics of all computer generation. 5
 (b) Write flynn's classification of computer. 5

Unit-II

- (2) (a) Draw the architecture of Intel 8085 microprocessor. 5
 (b) What is addressing mode?

OR

- (a) Explain central processing unit with block diagram. 5
 (b) Draw the timing diagram of 8085 microprocessor. 5

Unit-III

- (3). (a) What is computer memory? Explain. 5
 (b) Write the difference between RAM and ROM. 5

OR

- (a) What is ROM? Write its Type. 5
 (b) What do you mean by 'cache memory'?

Unit-IV

- (4) (a) Write short notes on following. 10
 (i) Plotter (ii) Printer (iii) Voice Input device
 (iv) Optical character Reader (v) Cathode Ray tube

OR

- (a) Discuss about Raster scan and Vector scan. 5
 (b) Difference between impact and non-impact printer. 5

Unit-V

- (5) (a) What do you mean by computer software? Explain various types of computer software with example. 5
 (b) Discuss the programming techniques.

OR

- (a) Draw and explain internal structure of Unix operating system. 5
 (b) What is programming language? Explain various types of programming language.