Bachelor of Science (B.Sc.I.T.) Semester—I (C.B.S.) Examination
FUNDAMENTALS OF INFORMATION TECHNOLOGY
Paper—I

Time : Three Hours]   [Maximum Marks : 50

N.B. :— (i) **All** questions are compulsory and carry equal marks.

(ii) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) Draw and explain block diagram of computer. 5

(b) Write a short note on address bus. 5

OR

(c) Explain different number systems in brief. 5

(d) Explain different types of buses used in computer. 5

EITHER

2. (a) Differentiate between static and dynamic memory. 5

(b) Write short notes on :

(i) Hard disk

(ii) Pen drive. 5

OR

(c) Differentiate between RAM and ROM. 5

(d) What is Blu Ray ? Explain in brief. 5

EITHER

3. (a) Explain the working of Dot-Matrix printer. 5

(b) Explain :

(i) Voice Input

(ii) Touch Screen. 5

OR

(c) Explain the working of Bar-Code Reader. 5

(d) Explain the use of Plotter. 5

EITHER

4. (a) Explain the topology :

    (i) Tree

    (ii) Mesh.   5

    (b) What is use of bridges ?   5

OR

    (c) Explain peer-to-peer network protocol.   5

    (d) Explain the term : Wi-Fi network.   5

5. Attempt **all** :

    (a) What do you mean by bus ? Give functions of each bus.   2½

    (b) Explain organization of data on Zip Disk.   2½

    (c) Discuss the working of light pen.   2½

    (d) Explain Bluetooth and Wi-Fi network.   2½