

Bachelor of Science (B.Sc.) Semester–I Examination
COMPUTER SCIENCE (FUNDAMENTALS OF INFORMATION TECHNOLOGY)
Optional Paper—2

Time : Three Hours]

[Maximum Marks : 50

Note :— (1) All questions are compulsory and carry equal marks.
 (2) Draw neat and well labelled diagrams wherever necessary.

EITHER

1. (A) What is digital computer ? Explain its components with well labelled block diagram. 5
 (B) Explain octal number system. Solve $(76451)_8 = (?)_2$. 5

OR

- (C) Explain the characteristics of good languages. 5
 (D) What is source and object program ? 5

EITHER

2. (A) Write short notes on the following :—
 (i) PROM
 (ii) EEPROM
 (iii) EPROM
 (iv) RAM
 (v) ROM. 5
 (B) What is Blue Ray ? Give its advantages. 5

OR

- (C) What is memory ? Explain static and dynamic memory. 5
 (D) Explain working of Hard Disk with suitable diagram. 5

EITHER

3. (A) What is Touch screen device ? Give its features. 5
 (B) Explain Barcode Reader and OMR. 5

OR

- (C) Write a note on the following :—
 (i) Laser Printer
 (ii) Inkjet Printer 5
 (D) Explain mouse and light pen with diagram. 5

EITHER

4. (A) What is Network ? Explain types of networks in detail. 5
 (B) Explain Bluetooth and Infrared devices. 5

OR

- (C) Differentiate between client server and peer-to-peer. 5
 (D) Explain the following :—
 (i) Bridges
 (ii) Routers. 5

5. (A) Write a note on Address Bus. 2½
 (B) Explain Flash drive. 2½
 (C) Explain the functions of VDU. 2½
 (D) Write a note on Modem. 2½