Code : 303103

BCA 1st Semester Exam., 2023

INFORMATION TECHNOLOGY AND APPLICATION

Time : 3 hours

Full Marks : 60

Instructions :

(i) *The marks are indicated in the right-hand margin.*

(ii) *There are **SEVEN** questions in this paper.*

(iii) *Attempt **FIVE** questions in all.*

(iv) *Question Nos. **1** & **2** are compulsory.*

1. Answer any *six* of the following : 2×6=12

    (a) What is pointing device?

    (b) Define software.

    (c) What is the purpose of RAM?

    (d) What are the most common iT questions?

    (e) Define database management system.

    (f) What is the need for computer language?

(2)

(g) Define switching.

(h) What is the purpose of testing?

(i) What is the difference between process and program?

(j) How to define Intranet?

2. Answer any *three* of the following : 4×3=12

    (a) Explain the characteristics of digital computers.

    (b) Draw a flowchart to find the largest among three numbers.

    (c) Define the difference between RAM and ROM.

    (d) What are the BATCH files in MS-DOS?

    (e) Explain the idea of multiplexing.

3. Discuss the different types of switching technique. 12

4. What is the difference between computer hardware and software? Discuss the different categories of computer hardware. 12

5. What is computer output microfilm? Discuss the classification of secondary storage devices. 12

6. What are the features of good programming language? Write an algorithm to calculate a factorial of an N number. 12

7. Discuss the layers of TCP/IP model. 12