Degree (Part-II) (Vocational) Examination, 2022

(Honours)

COMPUTER APPLICATION

[Paper : Third]

[PPU-D-II-(H)-BCA-3]

Time : Three Hours]   [Maximum Marks : 75

Note : Candidates are required to give their answers in their own words as far as practicable. The questions are of **equal** value. Answer **any five** questions.

1. (a) What is Computer Network? Write advantages of Computer Network.

    (b) Discuss twisted wire and its role in Computer Network.

2. (a) Write difference between Circuit switching and Packet switching.

(b) What is Gateway? Discuss advantages of Gateway.

3. (a) Write the rules of Boolean Algebra.

(b) What is Half Adder? Discuss Half Adder with diagram.

4. (a) What is Intranet? How Intranet is different from Internet discuss?

(b) Write AND, OR and NAND gates with diagram.

5. (a) Write difference between dial-up and leased line connection.

(b) What is Constant? Discuss the symbolic constant with suitable example.

6. (a) Discuss types of decision making statements with example.

(b) What is Explicit type Conversion? Discuss with suitable example.

7. (a) Write the difference between decision making statement and loop.

(b) Discuss types of Pointer with suitable example.

8. (a) Define malloc (), Calloc () and free () with example.

(b) Write a program to take a number and print sum of factors of a number.

9. (a) What is Union? Discuss advantages of Union.

(b) Write a program to take EmpCode, name and salary of employee and display using union.

10. Write short notes on any four of the following :

(a) printf()

(b) scanf()

(c) puts()

(d) gets()

(e) getchar()

(f) eof()

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