Degree (Part-II) Examination, 2024

(Vocational)

COMPUTER APPLICATION

[Paper : Third]

Paper Code : 400803

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.

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

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

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

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

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

   (b) Discuss types of Pointer with suitable example.

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

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

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

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

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

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

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

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

8. (a) What is Operator ? Discuss Binary operator with suitable example.

   (b) What is type casting ? Discuss the types of type casting.

9. (a) State and prove the DeMorgan's theorem in Boolean Algebra.

   (b) What is K-Map ? Discuss K-Map for 2-variable using suitable example.

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

   (a) getchar()

   (b) puts()

   (c) printf()

   (d) scanf()

   (e) Call by reference function

   (f) fscanf()

THE END