2022

COMPUTER SCIENCE

[Generic]

(B.Sc. Second Semester End Examination-2022)

PAPER-GE2T

[Introduction to Programming]

Full Marks:40   **Time: 02 Hrs**

The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable
Illustrate the answers wherever necessary

1) **Answer any five questions:**   **5x2 = 10**

a. What is the difference between procedure oriented programming and object oriented programming?

b. Find the output of the following:

        int P = 5;

        printf ("%d\n", P);

        printf ("%d\n", P++);

        printf ("%d\n", P);

c. If the following statement is in error then write down why? Other wise what will be the output of Execution –

        for (int i=4, j=5; i<j; i++)

            int $K = i * j$;

printf *("K=%d", K);*

d. How many loop statement exist in C++ programming language?

e. What do you mean by bit wise operator?

f. Differentiate break and continue statement.

g. What is the use of printf ( ) and scanf ( ) functions?

h. Write down two advantages of using array.

Group B

Answer any four Questions: **4x5 = 20**

2. Write dopwn the syntox of 'for' statement . And write the differences between 'while' and 'do while' statement   2+3

3. What will be the value of P,Q, and R after executing the following statement

    P=10;

    Q=12+ ++P;

    R=P-- +Q++;

    P+=5;

    R=R+Q--;   5

4. What is nested if? Explain by an example.   2+3

5. What do you mean by function declaration and function definition?   2+3

6. Differentiate call by value and call by reference.

7. Write a program in C/C++ to calculate factorial of a given number.

Group C

Answer any One Question: **1x10 = 10**

8. Explain all types of operators available in C. Give an example for each of them.

9. A) What is function? Discuss any two Built-In function.   1+3

    b) Explain user Define function in details   6