

HALF YEARLY EXAMINATION, 2020-2021
B.Sc. (Information Technology)- First Year
Paper- II (Code-0825)
PROGRAMMING CONCEPT USING C LANGUAGE

Time : 03 Hours

Max Marks: 50

Note: - Attempt any 2 questions from each section. Each question has equal marks.

Section –I

1. What are data types in C language? Explain with example
2. Explain different types of operators in C with suitable example.
3. Explain the history of 'C' programming language.

Section –II

4. Write a C program for addition and multiplication of any two numbers.
5. Differentiate while loop and do while loop with suitable example.
6. Explain function declaration, function definition and function calling with suitable C program.

Section –III

7. Explain array with example.
8. Explain string manipulation function in C language.
9. Describe structure with suitable C program.

Section –IV

10. Explain formatted and unformatted Input/output function of C language.
11. Explain break and continue statement with suitable example?
12. Define nested structure with suitable example.

Section–V

13. Write a C program to find the "Simple Interest".
14. Write a C program to evaluate the following equation-

$$Y= a^2+b^2+2ab$$

15. Write a C program to print the numbers from 1 to 50 using for loop .