K20U 3311

**I Semester B.Sc. Degree CBCSS (OBE) Reg./Sup./Imp.
Examination, November 2020
(2019 Admn. Onwards)
CORE COURSE IN COMPUTER SCIENCE
1B01CSC : Introduction to C Programming**

Time : 3 Hours

Max. Marks : 40

PART – A
Short Answer

Answer **all** questions :

(6×1=6)

1. Define the term debugging.

2. What is algorithm ?

3. What are white space characters ?

4. Write short notes on variables.

5. What will be the output of the following printf statement :
   printf("%d",10<<2);

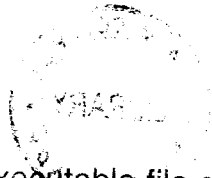6. How do you initialize a one dimensional array ?

PART – B
Short Essay

Answer **any 6** questions :

(6×2=12)

7. List the different phases of program development life cycle.

8. Write the benefits of using flowcharts in problem solving.

9. What do you mean by identifiers ? Give an example.

P.T.O.

10. Write the procedure to create an executable file of a C program in MS Dos.

11. Write a short note on conditional operator.

12. Which C library function is used to read a character from keyboard ? Illustrate with an example.

13. Write a short note on goto statement.

14. What do you mean by two dimensional array ? Give an example.

PART – C
Essay

Answer **any 4** questions :

(4×3=12)

15. Explain different flowcharting symbols.

16. Write short note on the structure of a C program.

17. Write short note on increment and decrement operators used in C.

18. Explain type casting with an example.

19. What do you mean by nested if statements ? Explain with example.

20. Write a C program to find the sum of digits of a number.

PART – D
Long Essay

Answer **any 2** questions :

(2×5=10)

21. Write an algorithm and draw flowchart to find the biggest of three numbers.

22. What do you mean by constants ? Explain different types of constants in C.

23. Explain logical and bitwise operators in C with example.

24. Explain different types of looping structures in C.