D 102715 (Pages : 3) Name..

Reg. No....................................

FOURTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION APRIL 2024

B.Com.

BC 4C 04—PROGRAMMING LOGIC IN C

(2018 Admission only)

Time : Three Hours Maximum : 60 Marks

Answers should be written in English only.

Part A

*Answer **all** questions.*
Each question carries 1 mark.

1. Explicit type conversion is known as ————————.

2. ————————is known as variable

3. How many times C program is printed ?

```
int main()
{
        while (1)
        {
                printf("Cprogram");
        }
    return 0 ;
}
```

4. A source file already written containing ready-made functions is known as ————————.

5. What is the correct method of initializing an array of integers ?

    a) int arr[4] = 10, 5, 8, 9 ;   b) int arr[4] = [10, 5, 8, 9] ;

    c) int arr[4] = {10, 5, 8, 9} ;   d) int arr[4] = (10, 5, 8, 9) ;

Turn over

6. What is a String in C Language ?

    a)   String is a new Data Type in C

    b)   String is an array of Characters with null character as the last element of array

    c)   String is an array of Characters with null character as the first element of array

    d)   String is an array of Integers with 0 as the last element of array

7. ——————— header file is used for pow() function.

    a)   mathio.h   b)   square.h

    c)   stdio.h   d)   math.h

8. ——————— is defined as step by step procedure to solve a problem.

    a)   Flowchart.   b)   Program.

    c)   Procedure.   d)   Algorithm.

(8 × 1 = 8 marks)

Part B

Answer any **six** *questions.*
Each question carries 2 *marks.*

9. Explain. What are the rules for forming an identifier in C ?

10. What is the use of symbolic constant? How it is declared ?

11. What is the difference between j++ and ++j when we use in assignment statement ? Explain with example.

12. List the different logical operators in C. explain with example.

13. Which statement used for skipping of loop in C ? Explain.

14. What are Arrays ?

15. What are Pointers ?

16. How to close a data file in C ?

(6 × 2 = 12 marks)

Part C

Answer any **five** *questions.*
Each question carries 4 marks.

17. What are various jumping statements ? Explain each.

18. How do you declare a one-dimensional array ? How do you pass an array as an argument to a function ? Explain.

19. Write a C program to find the average of non-negative from a list of numbers using continue statement and do not use array.

20. Explain how the structure variable passed as a parameter to a function with example.

21. Write the general syntax and working of Switch statement in C Language.

22. What do you mean by scope of a variable ? What are local and global variables ? Give examples.

23. Explain with example, various arithmetic operations on pointers.

$(5 \times 4 = 20$ marks$)$

Part D

Answer any **two** *questions.*
Each question carries 10 marks.

24. What are the different data types used in C ? Explain each

25. What are various loop statements in C ? Explain with examples

26. What is a String ? List and explain different type of string handling functions ?

$(2 \times 10 = 20$ marks$)$