LABORATORY INTERNAL ASSIGNMENT

Course Code: OBC106   **Last Date of Submission: 20/12/2023**
Course Title: C Programming Lab   **Assignment No.: 01**

Note:
1. The assignment will have two parts, A and B. Part A is of 20 MCQ type questions.
2. Part B consisting descriptive questions. Attempt any 5 out of it.

Part A: Multiple-Choice Questions

Q1. _____ are not part of the executable code.

    A. Comments or Documentation Section
    B. Preprocessor Directives
    C. Global Variable Declaration
    D. main () function

Q2. Lines starting with # are processed by the _____.

    A. Comments or Documentation Section
    B. Preprocessor
    C. Global Variable Declaration section
    D. None of these

Q3. _____ function is used to read a single character from any standard input device.

    A. getchar()
    B. putchar()
    C. gets()
    D. puts()

Q4. _____ function is used to writea single character to any standard output device.

    A. getchar()
    B. putchar()
    C. gets()
    D. puts()

Q5. Once _____ are defined their values cannot be modified.

    A. literals
    B. variables
    C. identifiers
    D. keywords

Q6. _____ is an object or element that may change during the execution of the program.

    A. literals
    B. variables
    C. identifiers
    D. keywords

Q7. _____ data type stores double-precision floating-point numbers.

    A. integer
    B. char
    C. float
    D. double

Q8. The _____ statement is also known as a one-way branch.

    A. if
    B. if-else
    C. if-then-else
    D. All

Q9. _____ is generally used when we know the number of iterations in advance.

    A. For loop
    B. While Loop
    C. Do-while Loop
    D. None of these

Q10. The condition is checked at the beginning (pre-test) itself, it is _____.

    A. For loop
    B. While Loop
    C. Do-while Loop
    D. None of these

Q11. The 2 types of goto jumps are _____ and _____.]

    A. Forward and reverse
    B. Up and down
    C. Both (A) & (B)
    D. None of these

Q12. Which return type cannot return any value to the caller.

    A. int
    B. float
    C. void
    D. double

Q13. Memory is allocated for a function when the function is-_____.

    A. declared
    B. defined
    C. called
    D. returned

Q14. Variables declared inside a function are known as _____.

    A. Local
    B. Global
    C. Either
    D. None

Q15. By default, the return type of the function is _____.

    A. void
    B. int
    C. float
    D. double

Q16. To fetch the address of the variable we precede it with _____ sign before variable name.

    E. % → percentage
    F. , → Comma
    G. & → Ampersand
    H. * → Asterix

Q17. Pointer is _____.

    E. a keyword that is used to create variables
    F. a variable that stores address of an instruction
    G. a variable that stores address of other variables
    H. None of these

Q18. Null pointer and void pointer are the same.

    A. True
    B. False
    C. None
    D. A and B

Q19. The address stored in the pointer variable are of the type _____.

    E. Integer
    F. Float
    G. Character
    H. None of these

20. It is possible to omit the mention of the _____ of the array at the time of initialization.

    A. Name
    B. Datatype
    C. Size
    D. None of these

Part B: Subjective Questions

Answer the following questions in brief (Any 5):

Q1.   Write a program in C to read n number of values in an array and display it in reverse order.

Q2.   Write a program in C to find the sum of all elements of the array.#

Q3.   Write a program in C to search an element in a two dimensional array.

Q4.   Write a program in C using recursion and iteration concepts for factorial.

Q5.   Write a program to swap value of two variables using pointer.

Q6.   Write a C program to demonstrate the concept of structures.

Q7.   Write a C program to delete a substring from a string.