

6. _____ function joints two strings together
(a) strmer () (b) merge ()
(c) strcat () (d) strcpy ().
7. C functions can be classified into two categories namely _____
functions and user-defined functions.
(a) Any-user defined (b) Non-user defined
(c) Library (d) More-user defined.
8. In _____ data type all the members use the same memory location.
(a) float (b) int
(c) union (d) structure.
9. Indirection operator is used to access a variable through its _____
(a) function (b) pointer
(c) structure (d) none.
10. _____ function can be used to test for an end of file condition.

PART B - (5 x 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

- 11.(a) Write a notes on constants in C.
Or
(b) Briefly discuss the bitwise operators.
- 12.(a) Write a C program for finding the greatest number among 5 numbers.
Or
(b) Discuss:
(i) Break Statement
(ii) Continue Statement.
- 13.(a) Discuss on multidimensional array in C.
Or

(b) Write the usage of strcat () and strcmp () functions through a program example.

14.(a) What is recursion? Write a C Program for finding factorial of given number using recursive function.

Or

(b) Discuss the features of structure.

15.(a) Discuss the file modes.

Or

(b) What is pointer? Discuss about array of pointers with program example.

PART C - (5 x 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

16.(a) Discuss the C-tokens in detail.

Or

(b) Explain the various format specifiers in details with example.

17.(a) Briefly describe the various branching statements used in C.

Or

(b) Discuss the following:

(i) while

(ii) do-while

(iii) for.

18.(a) Define array. Explain.

(i) Its features

(ii) Write a C program to evaluate the following expression.

$$\text{Sum} = \sum_{i=1}^{100} x_i$$

Or

(b) Give a write-up on String handling functions.

19.(a) What is user-defined function? Explain the different types of functions in detail.

Or

(b) Explain:

(i) Structure (ii) Union.

20.(a) Discuss about

- (i) Pointers and Arrays
- (ii) Pointers and structures
- (iii) Pointers and function.

Or

(b) Explain the following:

- (i) Error Handling
- (ii) Command Line Arguments.