

Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University) Coimbatore – 641 043
Bachelor's Degree Examination – November, 2018
I Semester

CLASS : I UG

TIME : 3 HRS

MAJOR : Information Technology

MAX MARKS : 100

18BITC02 – C PROGRAMMING

Part – A

10 X 1 = 10

Choose the Correct Answer

1. Which of the following is a User-defined data type
 - a. typedef int Boolean;
 - b. typedef enum {Mon, Tue, Wed, Thu, Fri} Workdays;
 - c. struct {char name[10], int age};
 - d. all of the mentioned
2. If you want to store dissimilar data together, then which type you will use?
 - a. array
 - b. structure
 - c. stack
 - d. None of the above.
3. _____ is used to compare two strings
 - a. strcat()
 - b. strcpy()
 - c. strcmp()
 - d. strlen()
4. In c programming a function can return _____
 - a. Single value
 - b. Double value
 - c. Many value
 - d. None of the above
5. Using _____ statement is how you test for a specific condition
 - a. Select
 - b. If
 - c. Switch
 - d. For
6. Suppose that x is a one dimensional array, then choose the correct answer regarding array.
 - a. *(x + n) is same as &x[n]
 - b. *&x[n] is same as x + n
 - c. *(x + n) is same as x[n] +1
 - d. *(x + n) is same as *x[n]
7. Pointers are efficient in handling _____
 - a. Arrays & Data Table
 - b. Array& Function
 - c. Array & Structure
 - d. Arrays & Arguments
8. The process of calling a function using pointers to pass the address of a variable is known as _____
 - a. call by value
 - b. call by reference
 - c. call by method
 - d. call by address
9. Identify the wrong syntax
 - a. typedef struct { member declaration; } NAME; NAME V1, V2;
 - b. typedef struct tag{ member declaration; } NAME; NAME V1, V2;
 - c. typedef struct { member declaration; } NAME; NAME V1, V2;
 - d. typedef struct tag { member declaration; } NAME; NAME V1, V2;
10. _____ function reports the status of the file indicated
 - a. feof
 - b. fopen
 - c. ferror
 - d. ffile.

PART – B

5X6 = 30

Answer the following

Answer should not exceed 200 words or one pages

- 11 a. Explain about the basic structure of the C Program.
(or)
- 11 b. Define Constant and Variable. Explain with examples.
- 12 a. Write short notes on Declaring and initializing a String.
(or)
- 12 b. Define Array . Give an Example.
- 13 a. Explain about Nesting of functions.
(or)
- 13 b. Explain how to declare structure variables and how to access the structure elements using structure variables with an example.
- 14 a. What is a Pointer ? Discuss the application of pointers.
(or)
- b. Elaborate pointers and structures.
- 15 a. Explain about the IO operation of a File.
(or)
- b. Discuss about Fprintf and fscanf functions.

Part C

5 x 12=60

Answer the following

Answer should not exceed 800 words or four pages

16. a. Explain in detail about Operators.
(or)
- b. Describe in detail about Data Types in C.
- 17 a. Explain in detail about Types of Array.
(or)
- b. Describe in detail about String Handling functions.
- 18.a. Explain in detail about categories of Function.
(or)
- 18 b. Explain about Recursive function with examples.
(or)
- 19 a. Compute a C Program for computing sum of elements stored in an array.
(or)
- 19.b. Illustrate how to pass pointers as function Argument with suitable example.
20. a. Explain in detail about command line arguments.
(or)
- 20.b. Define File. Explain in detail about possible error occur during the I/O Operations in a File.
