



Date: 05-04-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**SECTION –A**

**ANSWER ALL THE QUESTIONS:**

**(10 X 2 = 20 marks)**

1. What is an expression?
2. What is a variable?
3. What is the use of Break statement?
4. Write the general form of array declaration.
5. How to declare a pointer variable?
6. Give one example for array of pointers.
7. What is the purpose of the return statement?
8. List any four math functions.
9. Define structure.
10. What is a file?

**SECTION – B**

**ANSWER ALL THE QUESTIONS:**

**(5 X 8 =40 marks)**

11. a. Describe the various string input and output functions in C.  
(OR)  
b. Briefly explain different classes of datatypes in C.
12. a. How will you define and process one-dimensional arrays in C? Give examples.  
(OR)  
b. How multi-dimensional arrays are declared in C? Explain with an example.
13. a. Write a C program to sort the given set of n numbers using pointers.  
(OR)  
b. Write a short note on: Array of Pointers.
14. a. Write a C program to generate Fibonacci sequence using recursion.  
(OR)  
b. Explain user defined functions with an example.
15. a. List and explain the important file handling functions in C with examples.  
(OR)  
b. Explain the concept of opening and closing a file.

**SECTION –C**

**ANSWER ANY TWO QUESTIONS:**

**(2 X 20 =40 marks)**

16. a. List and explain different categories of operators in C with suitable examples.
  - b. What are the various forms of if statement? Explain any two of them with examples.
17. a. Describe in detail on standard string functions in C.
  - b. Explain the four storage class specifications in C.
18. a. Distinguish between structure and union.
  - b. Explain the command line arguments with suitable examples.

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