



Date: 04-04-2019

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

Section – A

Answer **ALL** the Questions

(10 * 2 = 20 Marks)

1) What is Flowchart? List any two symbols and its representation.

2) What is the output of the following code?

```
void main()
{
int var1=15, var2=10, p,q;
    p=var1 > 14;
    q=var1 > 8 && var2 ==8;
printf(“ p = %d q = %d”,p,q);
}
```

3) What is an Array? Give an example.

4) What is the return value of string comparison function?

5) Define User defined function.

6) What is called recursion?

7) Difference between Structure and Union.

8) What is the use of operator -> ?

9) Write the syntax for fopen function.

10) What is the use of fflush() function in C?

Section – B

Answer any **FIVE** questions

(5 * 8 = 40 Marks)

11) i) Explain the basic types of constants in C

(OR)

ii) Write a c program to find the Largest number in a given array.

12) i). Write a C program to check whether a given string is palindrome or not.

(OR)

ii) Explain any four string functions with an example.

13) i) What are the various storage classes and mention the brief notes on auto and static variables.

(OR)

ii). Discuss about the various operations on pointers.

14). I). Discuss how will you declare and access an array of structures.

(OR)

ii) What is called union? Explain how you will access the member in union.

15) i) Explain in detail about the creation of data file.

(OR)

ii) Discuss the functions involved in positioning the file pointer in random access file.

Section - C

Answer any **TWO** questions

(2 * 20 = 40 Marks)

16) i) Explain in detail about the looping statements with an example.

(10 Marks)

ii) Write a C program to check whether a given number is an Armstrong or not.

(10 Marks)

17) i) Write a C program to perform Matrix Multiplication

(10 Marks)

ii) Define function. How will you declare and access the function in C?

(10 Marks)

18) i) Define Structure. How will you initialize and access members in structure?

(12 marks)

ii) Discuss in detail about the basic operations involved in file.

(8 Marks)

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