Programming in C

Part –A (3marks) part- B (14 marks)

Part –A

1. Define algorithm ?

2. Define tokens and list the types of token?

3. List any four C operators?

4. What is decision making?

5. Define array?

6. Define subscript variable and string?

7. Define structure?

8. Define Union?

9. Give the two types of function call?

10. What is meant by void function?

Part –B

11. A (i) Explain in detail about the structure of a C program with an example?

   (ii) Explain in detail about flowchart?

(OR)

B (i) Discuss about formatted and unformatted I/O statements in C?

   (ii) Explain any 5 keywords in C with example?

12. A (i) Explain 'for' statement with syntax and an example
   (ii) Write a C program to find the sum of series using while loop
(OR)
B (i) Write a C program to perform the Arithmetic operations using switch case statement
   (ii) Explain while statement with an example?

13. A (i) Write a C program for matrix addition?
   (ii) Write a C program to find sum of the elements of array?
                          (OR)
   B(i) Write a C program to sort the set of strings in ascending order?
   (ii) Write about one dimensional array and two dimensional array with example?

14. A (i) Explain about array within structure with example?
   (ii) Explain about structure within structure with example?
                          (OR)
   B (i) Write a C program to prepare the total marks for N students by reading the
   Name, Reg no, Marks1 to Marks 5 using array of structure ?
   (ii) Discuss about union?

15. A (i) Write a C program to find factorial of given N numbers using function?
   (ii) Explain about opening , closing a file?
                          (OR)
   B (i) Write a C program to count the number of digits in a number using function?
   (ii)Write a C program using file?