

(b) Write a C program to count the number of students who scored less than 50, between 51 and 75, between 76 and 90, and greater than 90 among N students in one subject. (10) 3 3

24. (a) Write a C program to perform addition, subtraction, multiplication and division using user-defined functions. (10) 4 3

(OR)

(b) Write recursive functions to (10) 4 3
 (i) Calculate the factorial of a number
 (ii) Count the number of digits in a positive number.

25. (a) Apply various file functions to perform the following operations over files (i) create (ii) read (iii) append (iv) close (10) 5 3

(OR)

(b) (i) Write a C program to swap two values using pointers. (5) 5 3
 (ii) Calculate the square and cube of a number using macro functions (5) 5 3

PART- C (1 x 10 = 10 Marks)

(Q.No.26 is compulsory)

26. In an institution the employees are paid as per their years of service and gender based on the below table. Design a solution as a C program to quote the salary of a new employee. (10) 2 4

Years_of_service	Gender	Salary
>15 years	Male	70000
>15 years	Female	75000
More than 10years up to 15 years	Male	60000
More than 10years up to 15 years	Female	65000
<10 years	Both	50000
