

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Diploma Engineering (w.e.f 2020) / Int. B. tech Summer 2021-22 Examination

Semester: 2

Subject Code: 03606151

Subject Name: Advance Computer Programming

Date: 25/05/2022

Time: 10:30 am to 1:00 pm

Total Marks: 60

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1 Answer any Nine out of twelve. (2 Marks Each)

(18)

1. Define String.
2. Define Pointer.
3. Write down syntax for double Pointer.
4. Write an advantages of Array.
5. Define Storage Class and List out types of it.
6. Define Array. Write a syntax for array Initialization and Declaration.
7. Define Function. List out types of Function.
8. What is recursive function? Also write an advantages of it.
9. Differentiate: gets () and scanf ().
10. List out types of Array Operation.
11. Write a program to take input string from user and print output.
12. List out any two name of string function.

Q.2 A) Differentiate: Call by value and Call by Reference.

(03)

OR

- A) Explain void pointer with example.
- B) List out function Categories. Explain any one with example.

(03)

(03)

OR

- B) Write a Program to compare two given string without strcmp()

(03)

- C) Write a program to find factorial of given number. *using Recursion*

(04)

OR

- C) Explain Array insertion with 1D array. Also write a program for same.
- D) Write a program for Sorting Array Element in Ascending order.

(04)

(04)

OR

- D) Write a program to implement Multidimensional Array

(04)

Q.3 A) List all string operation. Explain strlen() with Example.

(03)

OR

- A) Explain user define function with Example.
- B) Write a program to convert string in lower case without using strtolwr().

(03)

(03)

OR

- B) Differentiate: Puts() and Printf ().
- C) Write a Program that shows the use of strcpy() and strrev().

OR

- C) Write a Program to check whether the given string is palindrome or not.
- D) Write a Program to perform merging operation on given array.

OR

- D) Write a program to perform addition on 3*3 Matrix.

(04)

Q.4 A) Explain pointer with its syntax and example.

(03)

- B) Explain Call by reference with Example.
- C) Write a program to demonstrate initialization of 2D array.
- D) Write a program to perform search on 1D array.

(03)

(04)

(04)