

P.G.D.C.A. SEMESTER – I
DCA-105 : Practical Based on DCA - 101

University Examination Duration : 3 Hours (Per Batch)

Practical based on Logic development using programming Language – ‘C’

Practical List

1. Write a C program to find the sum of digits of accepted no.
2. Write a C program to find the sum of first 100 natural nos.
3. Write a C program to find the sum of first 100 odd nos. and even nos.
4. Write a C program to display first 25 Fibonacci nos.
5. Write a C program to check whether the given number is prime or not.
6. Write a C program to find factorial of the given number.
7. Write a C program to reverse the accepted number.
8. Write a C program to find whether the accepted string number is palindrome or not.
9. Write a C program to convert decimal number to its equivalent binary number.
10. Write a C program to convert decimal number to its equivalent octal number.
11. Write a C program to convert decimal number to its equivalent hexadecimal number.
12. Write a C program to arrange the accepted numbers in ascending order and descending order.
13. Convert given line into upper case or lower case character as user want. (Use switch statement for the choice of case.)
14. Count How many Characters, Words, lines, spaces, tabs into given text.
15. Print detail of students like R-no, name, address, city, phone on screen. (Use structure.)
16. Swap the values of two different no using UDF & pointer.
17. Create one text file store some information into it and print the same information on terminal.
18. You have given a file which contains some integers. From this file create another two files one for odd and second for even numbers. Print the result of both files.
19. Create one file and insert some information using fprintf() and fscanf() function.
20. Display the following format on screen.

```
C
CP
CPR
CPRO
.
.
CPROGRAMING
.
.
CPRO
CPR
CP
C
```

21. Display the following format on screen

```
1
2 2
3 3 3
```

4 4 4 4

5 5 5 5 5

22. Display the following format on screen

*

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23. Write a program to implement the concept of command line argument (e.g. DOS type command,

copy command)