

shueta
Belal

MCT
MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY
MID TERM TEST II

Sub: Structured Programming Approach

Time : 1 hr.
CLASS :F.E

Marks: 20
DIV:All

N.B 1)Question No.1 is compulsory.

2)Assume any suitable data if necessary, but justify the same.

1.Attempt any five questions:

[10 Marks]

- a)State any 2 library function in *string.h* along with its uses.
- b)What do you mean by *auto* and *extern* storage?
- c)What is the difference between *while* and *do..while* loop?
- d)How a 2D array is declared and initialized?
- e) What is the difference between declaration and definition?
- f)What will be the output of the program ?

```
#include<stdio.h>
int main()
{ char p[] = "%d\n";
  p[1] = 'c';
  printf(p, 65);
  return 0;
}
```



2. Write a program to sort an array of integers in descending order using bubble sort. [05 Marks]

or

2 Write a program using function to print first 'n' numbers in Fibonacci series.

3 Write a program to check whether entered string is a palindrome or not. [05 Marks]

or

3 Write a program which will accept two numbers n and r and calculate value of $nCr = \frac{n!}{r!(n-r)!}$. Program should make use of function.

***** All The Best*****

Handwritten calculations for combinations:

$a=1+2$
 $a=3$

$1+1$
 $a=2$

$a+1$
 1
 2