

Total No. of Questions - [3]

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G.R. No.

Paper Code - U128-102CB(T1)

MARCH 2019 / IN-SEM (T1)

F. Y. B.TECH. (COMMON) (SEMESTER - II)

COURSE NAME: Computer Fundamentals - CB

COURSE CODE: CS10182B - CB

(PATTERN 2018)

Time: [1 Hour]

[Max. Marks: 20]

(*) Instructions to candidates:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed.
- 4) Use suitable data where ever required.

Q 1) Attempt any **two**.

- a) Illustrate the difference between a Primary memory and Secondary memory? [4]
- b) What is software? Explain system and application software. Enlist system and application software. [4]
- c) Is it easier to detect a syntax error or logical error in a program? Write a reason for your answer. [4]

Q 2) Attempt any **two**.

- a) Write a program in C to find the number and sum of all integer between 1 and 30 which are divisible by 6. [4]
- b) Explain the arithmetic operators and Relational operators with example? [4]
- c) List bitwise operator with their example. [4]

3) Attempt any **one**.

- a) Given array is : 40 20 70 10 60 , sort given array using bubble sort algorithm in ascending order and find result after 3 passes have completed ? [4]
- b) Find time complexity of given program. [4]

```
#include<stdio.h>
main()
{
    int i,j,n,a=1;
    printf("\n Enter the value of Number=");
    scanf("%d",&n);
    for(i=0;i<n;i++)
    {for(j=0;j<n;j++)
        {a=a+5;printf("\n %d",a);}}}
```