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**MARCH 2020 / IN-SEM (T1)**

**F. Y. B.TECH. (CB) (SEMESTER - II)**

**COURSE NAME: Computer Fundamentals**

**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) List different types of error in C programming? Explain compile time and run time error with example? [4]
- b) Write comparisons between Machine-level, Assembly-level and High-level Language, scripting language? [4]
- c) Draw flowchart and write pseudo code to find even numbers between 1 to 50 numbers? [4]

Q.2) Attempt any **two**.

- a) List different built in data types? Write rules for defining variables in C? [4]
- b) List types of operators? Explain increment and decrement operator with example? [4]
- c) Write C program to find prime numbers between 1 to 20 numbers? [4]

Q.3) Attempt any **one**.

- a) Write difference between array and structure? [4]
- b) Given array is : 42 29 75 11 65 , sort given array using bubble sort algorithm in ascending order and find result after 2 passes. [4]