

Total No. of Questions – [3]

Total No. of Printed Pages: 1

G.R. No.

Paper Code - U128-102 NCB(T1)

MARCH 2019 / IN-SEM (T1)

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

COURSE NAME: Computer Fundamentals - NCB

COURSE CODE: CS10182B - NCB

(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) Draw a block diagram of a computer. Explain the function of each block. [4]
- b) Explain the difference among assembler, compiler, interpreter, and linker. [4]
- c) What is network topology? List the categories of network topology and explain any one of them. [4]

Q 2) Attempt any **two**.

- a) Draw flowchart and pseudo code to find whether the number is even or not. [4]
- b) What is syntax errors and logical error in a program? Explain With example? [4]
- c) Difference between data type and variable. Explain in details. [4]

Q 3) Attempt any **one**.

- a) Write a program to check whether a given number is divisible by 5 or not. [4]
- b) Explain Why and when do we use the #define and #include directive? [4]