

Roll No.

Total No. of Pages : 02

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B.Tech (Sem.-1,2)
FUNDAMENTALS OF COMPUTER PROGRAMMING AND IT

Subject Code : BTCS-101

M.Code : 54095

Date of Examination : 19-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C. have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1. Answer briefly :

- a) What is the syntax of nested If statement?
- b) What is a conditional operator in C++?
- c) What is a case statement?
- d) What is arithmetic operator?
- e) Differentiate between compiler & interpreter.
- f) What is a function?
- g) How many byte are required for Int a[20] statement.
- h) What is an algorithm?
- i) How structure is represented.
- j) What is a conditional statement?

SECTION-B

2. What are the latest specifications of computer which can be used as node in a network. Explain?
3. What are the various memories used in computers. Explain with the help of example
4. Write algorithm/flowchart to find the sum of n odd numbers.
5. What are the various features of spreadsheet? Explain.

SECTION-C

6. Write a “C++” program to find factorial of a given number.
7. Describe the various data types of C++ .
8. Write a C++ program to find out a solution for given-quadratic equation.
9. Explain the meaning and purpose of the following:
 - a) Bit wise operator
 - b) File opening modes
 - c) Pointers
 - d) struct

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.