

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech.(Aerospace Engg.)/(Automation & Robotics)/
(Automobile Engg.)/(BT)/(CE)/(CSE)/(Electrical & Electronics Engg.)/
(EE)/(ECE)/(Electronics & Electrical Eng.)/(IT)/(ME) (2012 to 2017)
(Sem.-1,2)**

FUNDAMENTALS OF COMPUTER PROGRAMMING AND IT

Subject Code : BTCS-101

M.Code : 54095

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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

Answer briefly :

1. Define destructor.
2. Write down rule for identifier in C++.
3. Write down operator precedence for C++ operator.
4. What do you mean by right to left associativity?
5. What do you mean by data encapsulation?
6. Write down difference between private and public.
7. Define virtual function.
8. Write a program to explain call by value.
9. Define Computer System.
10. How spell checking is performed?

SECTION-B

11. Write a program to compute square of an int and float number using overloaded function.
12. What do you mean by friend function? Explain by writing any C++ program.
13. Write a program in C++ to swap two number using call by reference.
14. What do you mean by inheritance? Explain different type of inheritance with examples.

SECTION-C

15. How virtual functions are used in C++? Explain with any program.
16. Why flowchart is required? Explain different symbols used in the flowchart and explain with suitable example.
17. Explain different types of control statement used in C++ programming. Explain with examples.
18. How multidimensional array are declared in C++? Write a program in C++ to multiply two matrices.

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.