B.Tech. (2011 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

1. **Explain in brief the following :**

   a) Define operating system.

   b) What is Type conversion?

   c) What are flowchart symbols?

   d) Differentiate between RAM and ROM.

   e) What are formal and actual arguments?

   f) Write a short note on storage classes.

   g) Write the syntax of writing comments in C++.

   h) List any two uses of constructors.

   i) What is polymorphism?

   j) What are public and private keywords?

SECTION-B

2.   Write steps of creating power point presentation.

3.   What are various control statements provided in C++?

4.   Write short note on parameter passing in functions.

5.   What are string manipulation functions? Explain with example.

SECTION–C

6.   Define array. Write a program to add ten numbers using arrays.

7.   Define Inheritance. Explain single Inheritance and multiple inheritances with the help of examples?

8.   Define classes and objects. Explain the accessing members of class using an example.

9.   Write syntax for opening the file using file stream operations.

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.