Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 18

B.Tech (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**

INSTRUCTIONA 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. What are peripheral devices? Explain with examples.
2. What is the difference between RAM and ROM?
3. What is recursion? What is its advantage?
4. Write a program to find the average of 5 numbers.
5. Differentiate between primary and secondary memory.
6. What is the continue statement in C used for?
7. What are spreadsheets?
8. What is data abstraction?
9. What do you mean by if-else ladder?
10. How do you read a file in a C program?

SECTION-B

11. What is an operating system? List its types and functions.

12. What features should be used while preparing PowerPoint presentations?

13. What is switch statement? Write a C program to check whether number is EVEN or ODD using switch statement.

14. Write a note on the evolution of Internet. What are a few applications of internet?

SECTION-C

15. What are the different forms of inheritance supported by C++? Explain them with an example.

16. a) What are objects? How are they created?

    b) What is a constructor? Is it mandatory to use constructors in a class?

17. Explain the following :

    a) Default arguments in C++

    b) Multidimensional arrays

    c) String Manipulation functions in C

    d) Error handling during file operations in C++

18. Differentiate between Call by value and Call by reference. Explain using examples.

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.