

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech.(CSE) (2018 Batch) (Sem.-3)**  
**OBJECT ORIENTED PROGRAMMING**  
Subject Code : BTCS-302-18  
M.Code : 76437

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 contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. SECTION-C contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****Write briefly :**

1. Define Class.
2. What is Pointer operator? State with example?
3. What are the special characteristics of friend function?
4. What is pure virtual function?
5. What is mean by Polymorphism?
6. How static data member of class is defined?
7. List the operators which are not possible to overload.
8. Benefits of Object oriented Programming.
9. Types of Inheritance.
10. What is a token?

### SECTION-B

11. Write C++ program to overload + operator to add two matrices.
12. How are exception handle in class?
13. Explain Virtual function.
14. Write a C++ program to concatenate two strings.
15. What are the drawbacks of procedural and structural programming language?

### SECTION-C

16. Write a C++ program that erases all the elements in a list using iterators.
17. What is Multi-level inheritance? Explain it with suitable example.
18. Describe goto, break, continue & return with suitable example.

**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.**