

Roll No. 

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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. What is an Object and Class?
2. Explain how data is secured in C++?
3. What is Pointer? Write down its syntax.
4. What is the characteristic of member function?
5. Differentiate between multilevel and hybrid inheritance.
6. What are the features of Object oriented programming?
7. Difference between throw and throws.
8. What is string? Give an example.
9. What is binding? Explain types of Binding.
10. Explain pure virtual function.

### SECTION-B

11. Explain Copy constructor with suitable C++ program.
12. Explain function Overloading.
13. Differentiate Call by value and Call by reference.
14. Define the term Data hiding and Polymorphism.
15. Explain the formatted I/O operations.

### SECTION-C

16. Write a program to create a student report using inheritance technique.
17. Explain the exception handling mechanism in C++.
18. What is friend function? What are the merits and demerits of using friend function?

**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.**