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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech. (IT) (2018 Batch) (Sem.-3)**  
**OBJECT ORIENTED PROGRAMMING**  
Subject Code : BTIT-302-18  
M.Code : 76392

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****Answer briefly :**

1. Explain the Role of Using Scope Resolution Operator.
2. Why we use Destructor?
3. What do you mean by virtual base class?
4. Why we use Access specifiers in C++?
5. Write down Benefits of OOPs.
6. Why do we use this Pointer?
7. Explain the benefit of using Inline Function.
8. Explain the use of different file modes.
9. Explain the benefit of using Array of Objects.
10. Why we use Static member?

### SECTION-B

11. Explain the concept of Operator Overloading with the use of an example.
12. Differentiate between Early and Late binding.
13. Explain the concept of Memory management in C++.
14. Write a Programme to demonstrate the concept of Function Overloading.
15. What do you mean by Formatted I/O?

### SECTION-C

16. How Exception Handling is performed in C++?
17. Why we use constructors? Explain its types with the use of suitable examples.
18. What is Inheritance? Explain different types of inheritance 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.**