

Roll No.

Total No. of Pages : 02

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**B.Tech.(AIML&DS/CSE/Internet of Things and Cyber Security including  
Block Chain Technology) (Sem.-3)**

**OBJECT ORIENTED PROGRAMMING**

Subject Code : BTCS302-18

M.Code : 76437

Date of Examination : 29-12-2023

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**

1. Explain the following :

- a) Float
- b) Operator
- c) Inline function
- d) Object
- e) Public
- f) Destructor
- g) Inheritance
- h) Catch
- i) Call by value
- j) Friend function.

## SECTION-B

2. Explain with help of an example how to overload '+' operator?
3. Differentiate between virtual and pure virtual function with help of an example.
4. Write a program to read a file and copy character by character into another file.
5. Discuss the use of exceptional handling in programming.
6. Explain the concept of access specifiers with an example.

## SECTION-C

7. Explain different types of inheritance and the concept of ambiguity.
8. Differentiate between functions and recursive functions with help of an example.
9. Write a detailed note on exceptional handling mechanism.

**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.**