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Total No. of Pages : 02

Total No. of Questions : 09

**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.