

<b>Roll No.</b>	
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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Tech.(IT) (Sem.-3)**

# OBJECT ORIENTED PROGRAMMING

**Subject Code : BTIT-302-18**

**M.Code : 76392**

**Date of Examination: 26-05-2023**

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. Write Briefly :**

- What are identifiers and keywords? Give example.
- What is the use of break and continue statements?
- Differentiate between switch and nested if.
- How you can open and close a file?
- Differentiate between early and late binding.
- Discuss different methods to pass arguments to a function.
- What do you mean by an abstract class? Discuss its usage with example.
- What do you mean by function overloading? Give example.
- Discuss various file accessing modes.
- What is an inline function? How it is used?

## **SECTION-B**

2. Explain various looping statements of C with suitable examples.
3. What is a friend function? Explain its importance with an example.
4. What do you mean by Multiple Inheritance? Explain with the help of an example.
5. What is a constructor? Write its main characteristics. Discuss its types.
6. Explain various files operations in C++ with examples.

## **SECTION-C**

7. What is an exception? How exceptions are handled in C++. Explain with the help of a suitable example.
8. What is Polymorphism? How do we attain Run time Polymorphism? Explain with an example.
9. WAP using array of objects to enter roll no, name and marks of students. Find average marks of the students.

**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.**