

TDC Odd Semester Exam., 2020
held in July, 2021

COMPUTER APPLICATION
(Honours)

(3rd Semester)

Course No. : BCAC-301

(Object-Oriented Programming in C++)

Full Marks : 35

Pass Marks : 12

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. (a) State the differences between OOP and POP. 4
- (b) What are static and dynamic binding? 3
2. Discuss the various features of OOP. 7

UNIT—II

3. (a) What do you mean by reference variable? How do you declare reference variable? 2+2=4
- (b) What is token? 1
- (c) How do you initialise an array? 2
4. Discuss the control structure of C++. 7

UNIT—III

5. Write short notes on the following : 2½+2½+2=7
- (a) Friend function
- (b) Inline function
- (c) Class
6. (a) Write down the properties of constructor. 5
- (b) Write how to declare an object. Give example. 2

UNIT—IV

7. Write a C++ program to overload a binary operator. 7

(3)

8. Define the following : $2\frac{1}{2}+2\frac{1}{2}+2=7$
- (a) Type conversion
 - (b) Inheritance
 - (c) Function overloading

UNIT—V

9. (a) What is file? What are the different modes of opening a file? $1+2=3$
- (b) What is virtual function? Write down its characteristics. $1+3=4$
10. (a) Explain the exception handing mechanism in C++. 5
- (b) Define template. 2
