

(2403OOP15)

THREE YEAR BCAS (CBCS) DEGREE EXAMINATION, APRIL 2018

SECOND SEMESTER

Paper II — OBJECT ORIENTED PROGRAMMING USING C++

Time : 3 Hours

Max. Marks : 75

SECTION – A

Answer any FIVE of the following questions.

(Marks : 5 × 5 marks = 25 marks)

1. What is data encapsulation?
2. What is object? Write syntax.
3. What is dynamic binding?
4. Explain Datatypes in C++.
5. What is switch statement? Write syntax.
6. What is default constructor?
7. What is friend function?
8. Explain about passing multiple parameters to template.

SECTION – B

Answer ONE question from each Unit.

(Marks : 5 × 10 marks = 50 marks)

UNIT – I

9. (a) Explain benefits of OOPs.

Or

- (b) Write a C++ program to find average of two numbers.

UNIT – II

10. (a) Write a C++ program using increment and decrement operators.

Or

- (b) Explain structure of C++.

[P.T.O]

UNIT - III

11. (a) Explain looping statements in C++.

Or

(b) Write a C++ program using switch statement.

UNIT - IV

12. (a) What is constructor? Explain types of constructor.

Or

(b) Write a C++ program using single inheritance.

UNIT - V

13. (a) Explain virtual functions.

Or

(b) Write a C++ program to calculate the area of circle, rectangle and triangle using function over loading.
