

Roll No. ....

**97675**

**BCA 4th Semester  
Examination – April, 2018**

**OBJECT ORIENTED PROGRAMMING USING C++**

**Paper : BCA - 208**

***Time : Three Hours ]***

***[ Maximum Marks : 80***

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** There shall be 9 questions. Question Number 1 will be compulsory and in addition to the compulsory questions, students have to attempt *four* more questions selecting *one* from each Unit. All questions shall carry equal marks.

- 1. (a) What is Delete Keyword ?** **8 × 2 = 16**  
(b) What is New keyword ?  
(c) What is Resolution Operator ?  
(d) What is Public Visibility ?  
(e) What is Try-Catch ?  
(f) What is Private Visibility ?

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- (g) What is Inline Function ?
- (h) What is Abstract Class ?

### UNIT - I

2. Explain the following with example :  $4 \times 4 = 16$
- (a) Procedural oriented language
  - (b) Object oriented language
  - (c) Polymorphism
  - (d) Encapsulation
3. Explain the following with example :  $4 \times 4 = 16$
- (a) Array
  - (b) Operator
  - (c) Recursion
  - (d) Flow Control

### UNIT - II

4. What is Constructor ? How this is special function ? Explain destructor also with example. 16
5. Explain the following with example :  $4 \times 4 = 16$
- (a) Copy constructor
  - (b) Object copy
  - (c) Static member
  - (d) New and delete

### UNIT - III

6. How inheritance play role in reusing the codes ? What are types ? Explain static member and derived classes with example. <http://www.HaryanaPapers.com> 16
7. Explain the following with example :  $4 \times 4 = 16$
- (a) Ambiguity in multiple inheritance
  - (b) Virtual function
  - (c) Overriding member function
  - (d) Friend function

### UNIT - IV

8. Explain the following with example :  $5 + 6 + 5 = 16$
- (a) Function exception
  - (b) Unexpected exception
  - (c) Resource capture and release
9. Explain the following with example :  $4 \times 4 = 16$
- (a) Template class
  - (b) Template function
  - (c) Iterator and Hash
  - (d) Namespace