

Roll No.

97692

**BCA 6th Semester
Examination – November , 2018**

**OBJECT TECHNOLOGIES & PROGRAMMING USING
JAVA**

Paper : BCA-307

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 No. 1 will be **compulsory** and in addition to the compulsory question, students have to attempt **four** more questions selecting **one** question from each unit. All questions carry equal marks.

1. (a) What is Primitive data ?
- (b) What is Finalize method ?
- (c) What is Final keyword ?
- (d) What is Finally keyword ?
- (e) What is Transient modifier ?
- (f) What is Volatile modifier ?
- (g) What is Thread priority ?
- (h) What is Extends keyword ?

2 × 8 = 16

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P. T. O.

UNIT - I

2. Explain the following with example : 4 + 5 + 7
(a) Paradigms of Programming Language
(b) Evolution of OO methodology
(c) Benefits of OOPs
3. Explain the following with example : 6 + 5 + 5
(a) Abstraction and Encapsulation
(b) Method overriding and Polymorphism
(c) Class and Objects

UNIT - II

4. (a) Why JAVA language is secure on Internet ? What are features of JAVA ? Explain each with suitable example. 12
(b) What are different ways of declaration of array ? Explain with example. 4
5. How to use multiple inheritance in java ? What are types of inheritance ? Explain each with example. 16

UNIT - III

6. (a) How package is important in JAVA ? What are types of Package ? Explain with example. 11
(b) How try catch work in Java ? Explain with example. 5
7. (a) What is Interface ? How to implement Interface in different way in Java ? Explain. 12

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- (b) What is abstract class ? How implement in Java ? Explain. 4

UNIT - IV

8. How to use Multithreading ? How to create a thread by extending a Thread class ? Illustrate life cycle of thread through suitable program in Java. 16
9. Explain the following : 4 × 4 = 16
(a) String Buffer
(b) String operations
(c) Reading and Writing files
(d) Inter Thread Communication

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