

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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