

Roll No.

OLE-97692

**BCA 6th Semester (Re-Appear)
Examination – April, 2021**

**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 : Students shall be required to attempt *five* questions in all selecting at least *one* from each Unit. All questions shall carry equal marks.

1. (a) What is Protected keyword ?
- (b) What is identifier ?
- (c) What is JVM ?

- (d) What is Static method ?
- (e) What is compare () method ?
- (f) What is increment and decrement operator ?
- (g) What is Equals () method ?
- (h) What is Runnable interface ? 8 × 2 = 16

UNIT – I

- 2.** (a) What is Paradigm of Programming Language ?
What are basic features of OO approach ? Explain
each with example. 10
- (b) What are benefits of OOPs? Explain. 6
- 3.** Explain the following with a suitable example :
4 × 4 = 16

- (a) Methods Overriding
- (b) Applications of OOPs

(c) Encapsulation

(d) Evolution of OO Methodology

UNIT – II

4. (a) What Array differ from variable ? How to initialize Array ? Explain using example. 8

(b) What are Operators in JAVA ? Illustrate each type with an example. 8

5. What is Inheritance ? What are types of Inheritance ? Explain with a suitable example. 16

UNIT – III

6. What is Interface ? What are differences and similarities between Interface and Multiple inheritances ? Explain with example. 16

7. Why Exceptions handling using in JAVA ? What is life cycle of exception handling ? Explain with example. 16

UNIT – IV

8. What is an I/O basic ? How to use Streams and Stream classes ? Explain Predefined streams, reading and writing files with example. 16
9. (a) How and why Multithreading using in JAVA ?
Explain life cycle of a Thread with java code example. 10
- (b) What is String class ? Explain String operations. 6
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