

B.C.A. 6th Semester (Re appear)
Examination, February-2022
OBJECT TECHNOLOGIES AND
PROGRAMMING USING JAVA

(BCA-307)

Time allowed : 3 hours [Maximum marks : 80]

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

1. (i) What is Console ?
- (ii) What is Finally keyword ?
- (iii) What is Variable in Java ?
- (iv) What is Static Method ?
- (v) What is Extends ?
- (vi) What is final keyword ?
- (vii) What is Public keyword ?
- (viii) What is Abstract class ?

8 × 2 = 16

(2)

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Unit - I

2. What are differences between Object oriented and Procedure oriented approaches ? What are applications of OOPs ? Explain various steps in evolution of OOP Methodology. 16

3. Explain the following with a suitable example :

4 × 4 = 16

- (i) Method Overriding
- (ii) Polymorphism
- (iii) Encapsulation
- (iv) Common OOP Language

Unit - II

4. Explain the following with the example : 4 × 4 = 16

- (i) Constructor
- (ii) Garbage collection
- (iii) Array
- (iv) Java Operator

5. What is inheritance ? What are their types ? How to achieve multiple inheritance in JAVA ? Explain with example. 16

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Unit - III

6. Explain the following with the example : 8 × 8 = 16

- (i) Interface
- (ii) Exception Handling

7. (i) What do you mean by Packages ? Explain different methods of importing packages with example. 10
(ii) Discuss the various levels of access protection available for packages. 6

Unit - IV

8. (i) What is Multithreading in JAVA ? Explain life cycle of a Thread with suitable example. 10

- (ii) What Input Output Stream in Java ? Explain Stream Class with example. 6

9. Explain the following with example : 5 + 5 + 6 = 16

- (i) String Buffer Class and Methods
- (ii) Data conversion using value of () methods
- (iii) String Operations

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