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**BCA 6th Semester Only Reappear
Examination, November-2023
OBJECT TECHNOLOGY AND
PROGRAMMING USING JAVA
Paper-BCA-307**

Time allowed : 3 hours]

[Maximum marks : 80

Before answering the question, 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 : Attempt five questions. Q. No. 1 is compulsory
Select one question from each unit

1. (a) What is Encapsulation ?
(b) What is Polymorphism ?
(c) What is input and output in java?
(d) What is modifiers ?
(e) What are the various type of exceptions in Java ?
(f) What is CLASSPATH ?
(g) What is The Finalize () Method ?
(h) What is Method Overloading ?

Unit-I

2. (a) What is object oriented programming? How is it differ from the procedure oriented programming?
(b) Discuss various benefits of OOPs.
3. Explain:
(i) Inheritance
(ii) Method Overriding

Unit-II

4. (a) Explain various data types available in JAVA.
(b) Explain :
 - (i) Constructors
 - (ii) Methods
5. (a) Describe various features of JAVA Language.
(b) Explain :
 - (i) Garbage Collection
 - (ii) Abstract Class

Unit-III

6. (a) What is Exception? How to deal with exception? Explain.
(b) What is Interface? How to Implement Interface? Explain.
7. What do you mean by Package? How to access the content of package? Discuss the various level of access protection available for package.

Unit-IV

8. (a) What is multithreading? Explain inter-thread communication.
(b) What is stream and stream class? How is the concept of stream used in JAVA ?
9. (a) What is JAVA thread model? Explain.
(b) How does String class differ from the String Buffer class? Explain.