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FIFTH SEMESTER (CUFYUGP) DEGREE EXAMINATION, NOVEMBER 2026

COMPUTER APPLICATION

BCA5CJ301 Object Oriented Programming (Java)

2024 Admission onwards

Maximum Time :2 Hours | **Maximum Marks :70**

Section A

All Questions can be answered. Each Question carries 3 marks (Ceiling: 24 Marks)

1	Define Object-Oriented Programming concepts
2	Explain the role of JVM in Java.
3	List different types of constructors.
4	Differentiate method overloading and overriding.
5	Summarize inheritance.
6	Define exception handling.
7	Explain try and catch.
8	Define thread.
9	State JDBC purpose.
10	Explain Swing.

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling: 36 Marks)

11	Explain data types and control statements.
12	Illustrate method overriding with example.
13	Explain exception hierarchy.
14	Demonstrate file handling using byte streams.
15	Explain thread creation using Runnable.
16	Describe JDBC connectivity steps.
17	Explain Swing components.
18	Illustrate event handling.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

19	Explain multilevel inheritance and develop a Java program illustrating it.
20	Analyze multithreading concept and design a Java program to print odd and even numbers using two threads.