

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course	: BCAR	Date	: 23-Feb-26
Subject Code	: BCAR-304	Time	: 11:30am to 01:45pm
Subject Name	: Object Oriented Concepts & Programming-II (Advance Java)	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Write a short note on Event Handling in java.
2. Explain Differences between TCP and UDP.
3. Explain Document Type Definition.
4. Write short note on Java Bean.
5. Write short note on Struts Action Classes.

Section B

Answer the following (Attempt any four) (20)

1. Explain Differences between Swing and Applets.
2. Explain Types of JDBC Drivers.
3. Explain RMI Architecture.
4. Explain the directory services.
5. Explain Life Cycle of Servlet.
6. Explain JSP Architecture.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 The name of Java software is _____.
A C++ B Oracle
C JVM D none of above
- 2 The attribute used to define a new namespace is _____.
A Xmlns B XmlNameSpace
C XMLNS D XmlNs
- 3 The interface ResultSet has a method, getMetaData(), that returns a/an _____.
A Tuple B Value
C Result D Object
- 4 _____ is method of JDBC batch process.
A addBatch() B setBatch()
C deleteBatch() D removeBatch()

- 5 UDP and TCP are both _____ layer protocols.
 A data link B network
 C transport D interface
- 6 JNDI programming uses _____.
 A data logic B web logic
 C both a and b D neither a nor b
- 7 _____ method is used to specify before any lines that uses the PrintWriter.
 A setPageType() B setContextType()
 C setContentType() D setResponseType()
- 8 _____ is return type of execute() method.
 A String B int
 C ActionForward D ActionForm
- 9 _____ is mandatory in tag.
 A id, class B id, type
 C type, property D type, id
- 10 _____ is the correct order of phases in JSP life cycle.
 A Initialization, Cleanup, Compilation, Execution B Initialization, Compilation, Cleanup, Execution
 C Compilation, Initialization, Execution, Cleanup D Cleanup, Compilation, Initialization, Execution

Part – B (Do as Directed)

(10)

State the following statements are TRUE or FALSE

- 1 Programming language involves computer, code, software.
- 2 AWT is Abstract win table.
- 3 RMI stands for Remote Method Invocation.
- 4 CORBA stands for Computing Object resources Business Architecture.
- 5 Bound Properties of Beans is It inform listeners when its value changes.
- 6 Servlets handle multiple simultaneous requests by using threads
- 7 Struts combine Java Servlets in to a unified Framework.
- 8 In interceptor Custom Interceptor is used to display the intermediate result.
- 9 JSTL stands for Java Server Pages Standard Tag Library.
- 10 Custom Tags in JSP is an advantage of the statement, Separation of business logic from JSP.
