

**Dr. Babasaheb Ambedkar Open University**  
**Term End Examination July – 2026**

|              |                                                            |            |                      |
|--------------|------------------------------------------------------------|------------|----------------------|
| Course       | : BCA                                                      | Date       | : 11-07-2026         |
| Subject Code | : BCA-401                                                  | Time       | : 03:00pm to 05:15pm |
| Subject Name | : Object Oriented Concepts & Programming-II (Advance Java) | Duration   | : 02.15 Hours        |
|              |                                                            | Max. Marks | : 70                 |

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**Section A**

**Answer the following (Attempt any three) (30)**

1. Describe JSP Life Cycle.
2. Explain Servlet Types & Life Cycle.
3. Draw and Explain RMI Architecture.
4. Describe about Networking Protocols.
5. Give the Differences between Swing and Applets.

**Section B**

**Answer the following (Attempt any four) (20)**

1. Explain any two Java 2 Platform Editions.
2. Explain Struts Model Components.
3. Explain Multicast Protocol.
4. Write a short note on Event Handling.
5. Explain Naming and Directory Service.
6. Explain Types of JDBC Drivers.

**Section C**

**Part – A (Multiple Choice Questions) (10)**

- 1 The name of Java software is \_\_\_\_\_.  
A C++ B JVM  
C Oracle D none of above
- 2 The Swing Component classes used to Encapsulates mutually exclusive set of buttons is \_\_\_\_\_.  
A AbstractButton B JButton  
C ButtonGroup D ImageIcon
- 3 The attribute used to define a new namespace is \_\_\_\_\_.  
A XMLNS B XmlNameSpace  
C Xmlns D Xmlns
- 4 \_\_\_\_\_ is method of JDBC batch process.  
A setBatch() B addBatch()  
C removeBatch() D deleteBatch()
- 5 JNDI programming uses \_\_\_\_\_.  
A data logic B web logic  
C both a and b D neither a nor b
- 6 RMI stands for \_\_\_\_\_.  
A Remote Method Invocation B Resource Method Interaction  
C Reverse Media Invocation D None of these

- 7 \_\_\_\_\_ is mandatory in <jsp:useBean /> tag.  
A id, class B id, type  
C type, property D type,id
- 8 In interceptor \_\_\_\_\_ is used to display the intermediate result.  
A Params Interceptor B Custom Interceptor  
C ExecAndWait Interceptor D Prepare Interceptor
- 9 \_\_\_\_\_ is return type of execute() method.  
A int B String  
C ActionForward D ActionForm
- 10 Java.naming package is independent of \_\_\_\_\_.  
A naming services B directory services  
C both a and b D neither a nor b

**Part – B (Do as Directed)**

**(10)**

- 1 Full form of AWT is Abstract Writing Toolkit. (True/False)
- 2 J2SE is a multitier distributed application model. (True/False)
- 3 Graphics object is object showing part of Frame which can be drawn. (True/False)
- 4 XML stand for eXtensible Markup Language. (True/False)
- 5 CORBA stands for Common Object Request Broker Architecture. (True/False)
- 6 Java Bean is a software component that has been designed to be reusable in a variety of different environments. (True/False)
- 7 sendRedirect() method is used to send the same request and response objects to another servlet in RequestDispatcher. (True/False)
- 8 JSP is used to Client Side language for validation. (True/False)
- 9 setContentType() method is used to specify before any lines that uses the PintWriter. (True/False)
- 10 Servlets handle multiple simultaneous requests by using threads. (True/False)

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