

**Dr. Babasaheb Ambedkar Open University**  
**Term End Examination July-2016**

<b>Course</b>	<b>: BCA</b>	<b>Total Marks : 70</b>
<b>Subject Code</b>	<b>: BCA - 401</b>	<b>Duration: 03 hours</b>
<b>Subject</b>	<b>: Object Oriented Programming And Concepts –II (Advance Java)</b>	<b>Time:</b>
<b>Date</b>	<b>:</b>	

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**Section A**

**Attempt any Three of the following:**

**(30)**

1. Write difference between J2SE, J2EE and J2ME.
2. Explain Swing Component and Containment Hierarchy.
3. Explain JDBC Connections? Steps to write a JDBC Program.
4. Write short notes on RMI Architecture?
5. Write short note on compiling and running Servlets in Apache Tomcat 4.0?
6. Write short notes on Architecture of the Servlet Package?

**Section B**

**Write short notes on any four.**

**(20)**

1. Explain features of Java.
2. Differences between Swing And Applets.
3. Explain Networking Protocols.
4. Differences between TCP and UDP.
5. Write short note on socket?
6. Write note on Struts Controller Components?

**Section C**

**(A) Multiple Choice Questions. (Give Four options for each MCQ)**

**(10)**

1. OAK was renamed as Java in year:  
a. 1995 b. 1996 c. 1997 d. 1994
2. Which among the following information is incorrect about Swing:  
a. It carries heavy weight components b. It carries lighter weight components  
c. It requires faster creation time d. it has modern design
3. UDP stands for :-  
a. User Datagram Protocol b. Universal Data Protocol  
c. User Data Protocol d. None of these
4. Which of the following is a method of socket class  
a. public Socket(InetAddress host, int port) throws IOException  
b. public int getLocalPort()  
c. public Socket()

- d. Both A and C
5. getXXX() method is used to:-
- a. To retrieve the SQL type VARCHAR and CHAR
  - b. To retrieve value of each column
  - c. To execute the query
  - d. None of these
6. Java Naming and Directory Interface is:
- a. an API b. uses Java programming language
  - c. independent of any specific directory d. all of above
7. What is the purpose of directory object?
- a. It represents an object in a computing environment.
  - b. It is just a simple folder to hold files
  - c. Both of these
  - d. None of these
8. When init() method of servlet gets called?
- a. when servlet is initially created. b. whenever servlet gets invoked.
  - c. Both a and b d. Neither a nor b
9. RMI includes \_\_\_\_\_.
- a. Interface which defines behavior b. Class which defines implementation
  - c. Both of these d. None of these
10. Which is a multitier distributed application model?
- a. J2ME b. J2SE
  - c. J2EE d. all of above

**(B) True or False.**

**(10)**

- 1. In java.io package, gc() method is present.
  - 2. A Graphics object is object that shows graphics board.
  - 3. executeQuery() method is used to load and register the JDBC driver
  - 4. JNDI programming uses data logic .
  - 5. Lightweight Directory Access Program is LDAP?
  - 6. Each thread is a sequential flow of information .
  - 7. The other form of client application is web application
  - 8. ExceptionListener are java beans API?
  - 9. TCP protocol is connectionless protocol?
  - 10. Programming language involves:software
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