SUBJECT CODE: 11CS/MC/AJ54

B.C.A. DEGREE EXAMINATION – NOVEMBER 2013
FIFTH SEMESTER

REG. NO. _____

COURSE　　: MAJOR CORE
PAPER　　　: ADVANCED JAVA PROGRAMMING – J2EE
TIME　　　 : 20 MINUTES　　　　　　　　　　　　MAX. MARKS: 20

SECTION – A
ANSWER ON THE QUESTION PAPER ITSELF

Choose the best answer:　　　　　　　　　　　　　　　**(20 x 1 =20)**

1. Event package is present in _____.
　　　a. java.applet　　　　　b. java.awt　　　　　c. javax.swing

2. Mouse Listener is a _____.
　　　a. class　　　　　b. method　　　　　c. package　　　　　d. interface

3. JTextField is added to a _____.
　　　a. window　　　　　b. frame　　　　　c. container　　　　　d. applet

4. Mouse events use _____.
　　　a. Mouse Listener　　　　　　　　　　b. Mouse motion Listener
　　　c. Mouse Wheel Listener　　　　　　　d. both a &b

5. JDBC-ODBC Bridge driver is found at _____.
　　　a. sun.jdbc.JdbcOdbcDriver　　　　　b. sun.jdbc.odbc.JdbcOdbcDriver
　　　c. sun.jdbc.OdbcJdbcDriver　　　　　d. None of above

6. getWriter() is a method of the _____.
　　　a. Request Object　　　　　　　　　b. Response Object
　　　c. ServletResponse Object　　　　　d. ServletRequest Object

7. Which is not a part of the middle tier?
　　　a. application　　　　　b.EJB　　　　　c. JDBC　　　　　d. JNDI

8. Command to print"hello" in jsp is _____.
　　　a. System.out.println("hello")　　　　b. In.println("hello")
　　　c. out.println("hello")　　　　　　　d. Println("hello")

9. A java bean is deployed in a _____.
　　　a.jar file　　　　　b. Java file　　　　　c. rar file　　　　　d. include file

10. Entity bean can be a _____.
　　　a.CMP　　　　　b.BMP　　　　　c. both　　　　　d. either of them

Fill in the blanks:

11. Container is a sub class of _____.

12. drawRect() is a method in the _____class

13. Name of the default layout in applet is _____.

14. Object that generates an event is called _____.

15. ODBC stands for_____.

16. _____are used to track user information and state in a servlet.

17. A file is included in jsp using command _____.

18. Directive for declaring a tag library in JSP is _____.

19. The persistence in EJB that is less error prone is _____.

20. The _____bean is stateless and used in JMS.

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Section B

Answer all the following questions: **(5 x 2 =10)**

1. What is the role of repaint() method in an Applet?

2. Distinguish between Prepared statement and Callable statement.

3. List the types of servlets.

4. What are the three scripting elements used in JSP?

5. Write a short note on entity and session bean.

Section C

Answer any eight questions: **(8 x 5 = 40)**

6. Discuss the life cycle of an applet.

7. Write a short note on
   a. JTextField
   b. JButton

8. List the types of JDBC Drivers.

9. Write a short note on
   a. ActionListener
   b. KeyListener

10. What are roles of each tier in the J2EE architecture?

11. Write a note on request and response objects in a Servlet.

12. What are the main advantages of JSP when compared to servlets?

13. What are the steps involved in creating a jsp custom tag?

14. What is meant by bean managed persistence?

15. Differentiate between BMP and CMP.

Section D

Answer any three questions: **(3 x 10 =30)**

16. Explain how AWT is used for graphics components and applets giving examples.

17. Explain the procedure for connecting to a database using any JDBC driver.

18. Discuss the tiers of J2EE architecture in detail.

19. Write a note on the JSP life cycle and explain any three JSP tags.

20. Explain the life cycle of CMP bean.

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