

B.C.A. DEGREE EXAMINATION – NOVEMBER 2015
FIFTH SEMESTER

REG. NO. _____

COURSE : MAJOR CORE

PAPER : ADVANCED JAVA PROGRAMMING – J2EE

TIME : 30 MINUTES

MAX. MARKS: 20

SECTION – A
ANSWER ON THE QUESTION PAPER ITSELF

Choose the best answer:

(20 x 1 =20)

- To display text on the applet _____ method is used.
a. showString() b. drawString() c. println() d. printString()
- Which of the following components allow multiple selections?
a. Non-exclusive Checkboxes b. Radio buttons
c. Choice d. Text Boxes
- Which method executes only once?
a. start() method b. init() method c. stop() method d. destroy() methods
- Which packages contain the JDBC classes?
a. java.jdbc and javax.jdbc b. java.jdbc and java.jdbc.sql
c. java.sql and javax.sql d. java.rdb and javax.rdb
- _____ method in the Print Writer is used to specify the MIME type.
a. setPageType() b. setContentType()
c. setContenttype() d. setResponseType()
- Which methods are used to bind the objects on HttpSession instance and get the objects?
a. setAttribute b. getAttribute c. Both A & B d. None of the above
- How many techniques are used in Session Tracking?
a. 4 b. 3 c. 2 d. 5
- The javax.servlet.jsp package has _____ interface(s).
a. JspPage b. HttpJspPage c. JspWrite d. Both A & B
- In which technology, we mix our business logic with the presentation logic?
a. Servlet b. JSP c. Both A & B d. None of the above

10. Which statement about a session bean class is true?
- It is a final class
 - Overloaded constructors are supported
 - Their business methods can be 'private'
 - The `ejbCreate()` method must not be a final method.

Fill in the blanks:

11. To run an applet _____ command is used.
12. These are _____ number of JDBC driver types.
13. The Panel and Applet classes use the _____ as their default layout.
14. _____ is the container that contains title bar and can have MenuBars. It can have other components like button, textfield etc.
15. _____ and _____ packages represent interfaces and classes for servlet API.
16. In Session tracking, _____ stores information that is sent by a web server to a browser and which can later be read back from that browser.
17. _____ jsp implicit objects are there and these objects are created by the web container that are available to all the jsp pages.
18. A JSP page consists of _____ and _____ tags.
19. _____ and _____ two types of Session Bean.
20. CMP stands for _____.

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SECTION – B

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

1. What is an applet?
2. What are the differences between awt and swing?
3. Write short notes on cookies.
4. What is an expression tag in JSP?
5. Define entity bean.

SECTION – C

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

6. Give short note on
 - a. Frame
 - b. Panel
7. Explain about JButton with example.
8. Explain about the JDBC statements.
9. What is a Layout Manager? Explain it in detail.
10. Explain the Session Tracking.
11. Explain in detail “javax.servlet” package.
12. What is JSP? Explain the advantages of JSP.
13. Describe JSP Scripting Elements.
14. Explain the different types of Session Beans.
15. What are the callback methods in entity beans?

SECTION – D

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

16. Write short notes on below controls with examples.
 - a. Text Field
 - b. Check box
 - c. Radio button
 - d. Combo boxes
17. Explain the different types of JDBC Drivers.
18. Explain about the life cycle of a servlet.
19. How to define and use custom tags? Explain.
20. What do you mean by EJB? Explain the different types of EJB.