B.E. DEGREE EXAMINATIONS: APRIL/MAY 2012

Sixth Semester

COMPUTER SCIENCE AND ENGINEERING

ITY108: Advanced Java Programming

Time: Three Hours   **Maximum Marks: 100**

Answer All Questions:-

PART A (10 x 1 = 10 Marks)

1. What does the following line of code do? Textfield text = new Textfield(10);

    A. Creates text object that can hold 10 rows of text.

    B. Creates text object that can hold 10 columns of text.

    C. Creates the object text and initializes it with the value 10.

    D. The code is illegal.

2. Frame's default Layout Manager is _____.

    A. BorderLayout   B. FlowLayout   C. GridLayout   D. LineLayout

3. What is the immediate superclass of the Dialog class?

    A. Window   B. Frame   C. Menu   D. Container

4. Checkbox is a subclass of

    A. Component   B. Menu   C. Container   D. Frame

5. Compared to connection-oriented sockets, which statement about connectionless sockets is true?

    A. They support only character streams.

    B. They do not support two-way communication.

    C. They do not guarantee delivery or order of receipt.

    D. They can transmit to multiple receivers at the same time.

6. Which code segment listens for a socket connection?

    A. (new MulticastSocket(8080)).joinGroup();

    B. Socket socket = new Socket();

    C. Socket socket = (new ServerSocket(8080)).accept();

    D. Socket socket = SocketImpl.listen(8080);

7.Which of the following methods are needed for loading a database driver in JDBC?

    A. registerDriver() method   B. Class.forName()
    C. Both A and B   D. getConnection()

8. The major difference between servlet and CGI is

   A. Servlets are thread based and CGI is process based

   B. Servlets executes slower compared to CGI

   C. Servlet has no platform specific API, where as CGI has

   D. All of the above

9. For sending messages between two or more clients the Java Message Service(JMS) API uses a Java's _____ .

   A. Message Open Middleware   B. Multimedia Oriented Middleware

   C. Message Oriented Middleware   D. SOAP

10. What will be returned by the method ejbCreate() CMP bean?

   A. null   B. Primary Key class   C. Home Object   D. Remote Object

PART B (10 x 2 = 20 Marks)

11. What is the purpose of container component in swings?

12. What s the use of JEditorPane class?

13. What is the use of repaint() method?

14. What is the use of setLayout() method?

15. How is a TCP server socket created?

16. What is the use of multicast sockets?

17. What are the life cycle methods of Servlets?

18. List the JSP tags.

19. What is the use of JavaMail API?

20. What are the three types of EJBs?

PART C (5 x 14 = 70 Marks)

21. a) What are the Dialogs available in Swing? Explain the main features of various Dialog controls.

(OR)

   b) Write a Java program to create a login and registration form using frames and appropriate controls.

22. a) Explain the features of Model-View-Control architecture with a neat diagram.

(OR)

b) What are the various layouts available in Java? Explain how to Manage layout on frame windows.

23. a) Write a Java program to transfer file contents from the server to the client using UDP Datagrams.

(OR)

b) What is RMI? Explain how two remote machines communicate using RMI.

24. a) Write a Java program to search whether the given book title is available in the BOOK database, and return the book details using JDBC connectivity.

(OR)

b) Explain how to create servlets?Explain the purpose of doGet() and doPost() methods.

25. a) Explain how JavaMail API is used to provide mailing service to Java applications.

(OR)

b) What is the use of EJB containers? Briefly explain how to create Entity beans with an example.

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