Register Number: ……………………..

B.E DEGREE EXAMINATIONS: APRIL / MAY 2014

(Regulation 2009)

Sixth Semester

COMPUTER SCIENCE AND ENGINEERING

ITY108**:** Advanced Java Programming

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

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Sun's trademarked slogan _____.

   a) Write Once, Debug Anywhere   b) Write Once, Read Once

   c) Write Once, Run Anywhere   d) Read Once, Run Anywhere

2. A top level window is called _____ in JAVA

   a) Super Window   b) Frame

   c) Applet   d) Abstract Window

3. Default layout manager in java applet _____

   a) Grid Layout   b) Grid bag Layout

   c) Border Layout   d) Flow Layout

4. JTextField, JTextArea and JPasswordField classes injerit from a class called _____

   a) JTextAreaComponent   b) JTextComponent

   c) JTextFieldComponent   d) JPassowrdFieldComponent

5. Each datagram can contains _____ and _____.

   a) Header, payload   b) Header, packet id

   c) Header, destination address   d) Header, connection parameter.

6. Most TCP stacks use buffers to improve network _____

   a) Speed   b) Bandwidth

   c) Performance   d) Delay

7. The _____ class processes possible database errors by catching a SQLException.

   a) UserList   b) DbList

   c) DataList   d) ErrorList

8. JSP elements (tags) can by grouped according to the functions they perform. The tags are surrounded by angle brackets (<>), and like HTML and XML tags can have attributes. Everything else that can be contained in the JSP page but that cannot be known to the JSP translators (plain text, HTML tags, and so on) is called _____ data.

   a) Buffer   b) Form

   c) Input   d) Template

9. The POP server does not offer any _____ facilities beyond the mailbox that new mail is delivered.

   a) Storage   b) Input

   c) Transmit   d) Receive

10. An application server typically deploys a variety of object-oriented _____ services using an _____.

   a) Server, Object Serve Request   b) Client, Object Request Server

   c) Middleware, Object Request Broker   d) Middleware, Object Serve Broker

PART B (10 x 2 = 20 Marks)

11. What are the advantages of Graphics Programming?

12. What are event listeners? And state its purposes.

13. What is Model – View – Controller pattern?

14. What is the purpose of layout mechanism in JAVA?

15. What is socket class?

16. Define Datagram.

17. State the steps for java database connectivity.

18. List the scripting elements in JSP.

19. List the components of JavaMail protocols.

20. What is meant be reliable messaging?

PART C (5 x 14 = 70 Marks)

21. a) (i)   Explain the features of JFC   (7)

        (ii) Explain the relationships between event sources and listeners   (7)

    (OR)

    b)   Explain any three commonly used low level event classes in detail.

22. a)   Explain a model – view – controller analysis of swing buttons in detail

    (OR)

    b) (i)   Write Short notes on Border Layout   (7)

        (ii) Explain shortly about menu component in Swings.   (7)

23. a)   Explain the seven basic operations in a socket connection.

(OR)

b)   What is multicast socket? Explain the working of Multicast Sockets

24. a) (i)   Write short notes about JBBC Connectivity.   (4)

      (ii) Write a java program to retrieve data from a database table or tables using JDBC (10)

Connectivity.

(OR)

b)   Explain the Servlet structure and life cycle methods with a simple servlet

program.

25. a)   List and explain about java mail components in detail.

(OR)

b)   Explain the EJB architecture and its types.

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