C 63141   **(Pages 2)**   **Name**

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2014

(CUCSS)

Computer Science

CSC 2C 04—ADVANCED JAVA PROGRAMMING

(2010 Admissions)

Time : Three Hours   Maximum : 36 Weightage

Part A

*Answer **all** questions.*
Each question carries 1 weightage.

1. Why are dialogs a useful HCl component ?

2. What is an Adapter class ?

3. What are stubs and skeletons in RMI ?

4. Explain Ching.

5. What is a Java Bean ?

6. List some advantages of Java Beans.

7. Write note on Trees in Swings.

8. What are Servlets ?

9. What are the advantages of Servlets over CGI ?

10. What is the role of EJB container ?

11. Which are page directives in JSP ?

12. What is Request Dispatcher ?

(12 x 1 = 12 weightage)

Part B

Answer any six questions.
Each question carries 2 weightage.

13. What are the three approaches to handle events ?

14. What are the seven basic steps for using JDBC to access a database ?

15. What is Result SetMetadata ? Explain its any *two* methods.

16. Why Remote Interface is used in RMI ? Explain.

Turn over

17. What are the main Dialogs available in Swing ? What are their main features ?

18. Explain Java Server pages (JSP). What are the advantages of using JSP over Servlets ?

19. Explain in detail about the JNDI Architecture.

20. What is the need for Session tracking in the Servlet ? What are the different techniques used for Session tracking ?

21. Explain how to build web page layouts from reusable presentation components.

(6 x 2 = 12 weightage)

Part C

Answer any **three** *questions.*
Each question carries **4** *weightage.*

22. (a) Discuss the JDBC Driver model.

(b) Write a Swing application to display the random colors on the button click event. What is a Java Beans ? What are the advantages of using Java Beans ?

23. Write a JDBC application to insert, update and delete, record from Company Shareholder's Table.

Given the structure : SHAREHOLDER : holder_id, Hname, Address, NoofShares, ShareSrFrom (Share Serial from Number). ShareSrTo (Share Serial upto Number), facevalue, cost.

24. (a) Describe how you would create a simple name and password entry and verification system (without encryption) in Swing.

(b) In relation to Java Swing Toolbars what is meant by the term docking ? How is docking enabled in a Java Swing Toolbar ?

25. (a) What is meant by Design Pattern of the Beans ? What are the property types that support design patterns ?

(b) Describe various Implicit objects of the JSP ? What is the scope of those objects ?

26. (a) Write a short notes on :

(i) JTree.

(ii) JTable.

(b) Explain the JDBC Driver Model.

27. Write note on :

(i) RMI Serialization.

(ii) JSTL.

(iii) Struts.

(iv) JNDI.

(3 x 4 = 12 weightage)