Enrollment No: _____   Exam Seat No:_____

C.U.SHAH UNIVERSITY
Summer Examination-2018

Subject Name : Programming with Java –II

Subject Code : 4CS04BJV2/4CS04IJV2   **Branch: B.C.A./ B.Sc.I.T.**

Semester : 4   **Date : 24/04/2018**   **Time : 10:30 To 01:30**   **Marks : 70**

Instructions:
(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q.-1   Attempt the following MCQs.   **14**

1) Skeleton is a _____ side remote object.
   a) Client   b) Server
   c) Both a and b   d) None

2) Which Layout Manager has EAST constant?
   a) Grid   b) Border
   c) Card   d) All of the above

3) JRE means _____
   a) Java Remote Engine   b) Java Runtime Environment
   c) Java Running Engine   d) Java Runtime Engine.

4) When Select Query executed, _____ object is used in Program.
   a) ResultSet   b) InputStream
   c) OutputStream   d) Record

5) J2EE APIs contains_____
   a) Servlet   b) JSP
   c) JNDI   d) All of the above

6) In Java, JCheckBox has event _____
   a) ActionEvent   b) SelectEvent
   c) WindowEvent   d) ItemEvent

7) JDBC API have _____
   a) Connection   b) Statement
   c) ResultSet   d) All of these

8) JSP Life cycle has methods_____

a)   init( )   b)   destroy( )
c)   _jspService( )   d)   All of the above

9)   PreparedStatement available in _____
      a)   java.io   b)   java.sql
      c)   java.db   d)   None

10)   To execute *Select* query, _____ is used.
      a)   execute( )   b)   executeUpdate( )
      c)   executeSelect( )   d)   executeQuery( )

11)   Which layout manager has rows and columns?
      a)   GridLayout   b)   FlowLayout
      c)   CardLayout   d)   BingLayout

12)   AWT means_____
      a)   Active window Tools   b)   Active Window Track
      c)   Active Window Trace   d)   Abstract Window Toolkit

13)   Which is **not** valid tag of JSP?
      a)   <jsp:session>   b)   <jsp:include>
      c)   <jsp:forward>   d)   <jsp:plugin>

14)   JDBC means_____.
      a)   Java Data Creation   b)   Java Data Connection
      c)   Java Database Connectivity   d)   None

Attempt any FOUR Questions from following.

Q.-2   Attempt following.   **14**

a) Explain *BorderLayout* manager with example.   5
b) What is Swing? Explain *JButton* and *JTextField*.   5
c) Differentiate between Swing and AWT   4

Q.-3   Attempt following.   **14**
a) Explain 2-Tier and 3-tier Architecture.   5
b) Explain briefly J2EE API.   5
c) Explain RMI architecture.   4

Q.-4   Attempt following.   **14**
a) What is JDBC? Explain any one type driver with advantages and
    disadvantages.   5
b) Explain *GridLayout* with example.   5
c) Explain JCheckBox with events and methods.   4

Q.-5 **Attempt following.** 14

    a) What is *Servlet*? Explain life cycle of servlet. 5
    b) Explain *Connection* and *Statement* in JDBC. 5
    c) What is *ResultSet*? Explain its any two methods. 4

Q.-6 **Attempt following.** 14

    a) What is *JSP*? Write a note on JSP Life cycle. 5
    b) Describe Hidden form field for session tracking. 5
    c) Explain implicit objects of JSP. 4

Q.-7 **Attempt following.** 14

    a) Explain scripting elements of *JSP*. 5
    b) Write a note on: *GenericServlet* and *HttpServlet*. 5
    c) How to create cookies in JSP? Explain with example. 4

Q.-8 **Attempt following.** 14

    a) Write a swing program to find maximum from two entered nos. 7
    b) Write a JSP Program to display all records of Emp (empno, ename, addr, city) Table in Tabular format. 7