C.U.SHAH UNIVERSITY
Winter Examination-2018

Subject Name : Advance Java Programming

Subject Code : 5CS02WJA1   **Branch: M.Sc.IT (WebTech)**

Semester : 2   Date : 23/10/2018   Time : 02:30 To 05:30   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.

SECTION – I

Q.-1   Attempt following.   7

Define (a) to (f)
a) Swing   .   1
b) JSP   1
c) Connection   1
d) Servlet   1
e) LayoutManager   1
f) Skeleton   1
g) List J2EE API   1

Q.-2   Attempt following.   14

a) Explain GridLayout with suitable example.   5
b) Explain N-tier Architecture with Advantages and disadvantages.   5
c) Discuss RMI Architecture with diagram.   4

OR

a) Discuss: PreparedStatement with any two methods.   5
b) Explain JDBC-ODBC Bridge driver with example.   5
c) Write a note on: Tomcat as web container.   4

Q.-3   Attempt following.   14

a) Define ResultSet? Explain any two methods of it.   5
b) Define component? Explain JPasswordField with suitable example.   5
c) Explain HttpServletRequest interface with any two methods.   4

OR

a) Define Session. Explain session tracking using HttpSession with example. 5
b) Write a note on : JSP Life Cycle. 5
c) Explain HttpServletResponse interface with methods. 4

SECTION – II

Q.-4 Attempt following. 7

Define following.
a) Struts 1
b) \<jsp:include\> 1
c) Scriptlet 1
d) ORM 1
e) \<%= ......%\> 1
f) Spring 1
g) AWT 1

Q.-5 Attempt following. 14

a) What is Hibernate? Explain Hibernate mapping. 5
b) Briefly explain Java Beans properties 5
c) Define MVC. Explain MVC Architecture. 4

OR

a) Explain Servlet Life cycle. 5
b) Write a note on: IOC. 5
c) How to configure Hibernate? Explain Hibernate configuration steps. 4

Q.-6 Attempt following. 14

a) Write a program to enter data in HTML file and insert record in EMP
(Eno, Name, salary, department) using JSP. 7
b) Write a program to enter rollno in HTML and delete a record in Stud (rno,
name, city) using HTML/Servlet and print appropriate message. 7

OR

a) Write a program to enter data in TextField and by pressing Insert Button, record
should be inserted in Customer(cno, cname, addr, city, pincode) table. Use **swing
GUI** JFrame and JDBC. 7
b) Write a program to display data in tabular format for EMP (eno, Name, salary,

dept) table using JSP. 7