

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : Advance Java Programming

Subject Code : 5CS02WJA1

Branch: M.Sc.I.T. (WebTech)

Semester : 2

Date : 25/04/2018

Time : 10:30 To 1:30

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.
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SECTION – I

- Q.-1 Attempt following.** **7**
- a) What is Swing? 1
 - b) What is EJB? 1
 - c) What is stub? 1
 - d) Define *JDBC* and list *JDBC API*. 2
 - e) Explain 2-tier architecture. 2
- Q.-2 Attempt following.** **14**
- a) Explain *JCheckBox* with its methods and events. 5
 - b) What is Layout Manger? Explain *GridLayout* with example. 5
 - c) Explain Apache tomcat as web container. 4
- OR**
- a) Explain *RMI* Architecture. 5
 - b) Explain *BorderLayout* with example. 5
 - c) Differentiate *Swing* Vs. *AWT*. 4
- Q.-3 Attempt following.** **14**
- a) Write a note on *Servlet* Life Cycle. 5
 - b) Explain any two types of *JDBC* Drivers. 5
 - c) Explain *HttpServletResponse* Class with its methods. 4
- OR**
- a) Explain *JMenu*, *JMenuBar* and *JMenuItem* with example. 5
 - b) Write a note on *JSP* Life cycle. 5
 - c) Discuss: *J2EE* API. 4



SECTION – II

Q.-4 Attempt following. **7**

Define following.

- a) *Java Beans* 1
- b) *Hibernate* 1
- c) *Cookies* 1
- d) *Session.* 1

- e) List out scope of JSP Objects. 1
- f) Give list of EJB Types. 1
- g) List out JSP Scripting Elements. 1

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

- a) Briefly explain features of *hibernate*. 5
- b) Explain implicit JSP Objects. 5
- c) What is IOC and AOP? Explain *Spring IOC* and *AOP*. 4

OR

- a) Write a note on: *struts* framework. 5
- b) Explain hibernates' advantages and disadvantages. 5
- c) Discuss: *MVC* Architecture 4

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

- a) Write a Swing program to enter three nos. in *JTextField* and find MINIMUM and MAXIMUM no. (Create two radio buttons to find Min/Max). 7
- b) Write a JDBC Program to insert record in Student (rollno, Name, city) table using *PreparedStatement*. 7

OR

- a) Write a Servlet/JSP Program to display all records of Emp Table in tabular format. [Table : Emp(empno, empname, salary, city)] 7
- b) Write a HTML/JSP Program to insert record in Emp (Empno, Ename, Gender, salary) Table. (Create MALE and FEMALE Radio Buttons for Gender.) 7

