

Enrollment No:- \_\_\_\_\_

Exam Seat No:- \_\_\_\_\_

## C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 5CS02WAJ1

Subject Name: Advanced Java Programming

Course Name: M.Sc. (IT) (Webtech)

Date: 15/5/2015

Semester: II

Marks: 70

Time: 02:30 TO 05:30

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**Instructions:**

- 1) Attempt all Questions of both sections in same answer book/Supplementary.
  - 2) Use of Programmable calculator & any other electronic instrument prohibited.
  - 3) Instructions written on main answer book are strictly to be obeyed.
  - 4) Draw neat diagrams & figures (if necessary) at right places.
  - 5) Assume suitable & perfect data if needed.
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Q.-1 Attempt following.

- a) Explain any two layout manager. (4)
- b) Write differences between PreparedStatement and CallableStatement interface. (4)
- c) Explain any two enterprise architecture styles. (4)
- d) Explain java bean with its properties. (2)

**Attempt any four from Q-2 to Q-8.**

Q.-2

- a) Explain types of jdbc driver. (7)
- b) Explain RMI. Explain stub and skeleton. (7)

Q.-3

- a) Explain EJB and describes its types of EJB. (7)
- b) Explain HttpServletRequest and describe its five methods. (7)

Q.-4

- a) Explain Jsp scripting elements. (5)
- b) Explain any five implicit object of jsp. (5)
- c) Differences between servlet and jsp (4)

Q.-5

- a) Explain Servlet lifecycle (5)
- b) Explain hibernate and describe its advantages and disadvantages. (5)
- c) Describe MVC. (4)

Q.-6

- a) Explain struts with MVC. Explain struts flow of control. (7)
- b) Explain Spring IOC and AOP. (7)

Q.-7

- a) Explain hibernate architecture in brief. (7)
- b) Write a program to update record of student table with update

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15-5

fields are (sname, scity, phonenumber) where sno is 1009 using html and servlet. (7)

Q.-8

- a) Write a Jsp program to display record from the student table (sno, sname, gender, city, mobileno) in tabular format. (7)
- b) Write a Jsp program to insert record in the employee table (eno,ename, designation, salary, da, hra, pf , net salary ) using html and Jsp. (7)

