

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Advance Java Programming

Subject Code : 5CS02WJA1

Branch: M.Sc.IT (WebTech.)

Semester : 2

Date :04/05/2017

Time : 02:00 To 05:00

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 Define Following terms: 7**
- a) Swing 1
 - b) Container. 1
 - c) Component 1
 - d) RMI 1
 - e) Servlet 1
 - f) HttpSession 1
 - g) EJB 1
- Q.-2 Attempt following. 14**
- a) Explain GridLayout with example. 5
 - b) Explain 3-Tier and N-Tier Architecture. 5
 - c) Explain Stub and Skeleton. 4
- OR
- a) Explain RMI Architecture. 5
 - b) Explain PreparedStatement interface with example. 5
 - c) Explain J2EE API. 4
- Q.-3 Attempt following. 14**
- a) What is DatabaseMetaData? Explain any four methods of it. 5
 - b) Explain JMenu, JMenuBar, JMenuItem class. 5
 - c) Explain HttpServletRequest interface with any four methods. 4

OR



- a) Explain any one session tracking approach with suitable example. 5
- b) Explain JSP Life cycle. 5
- c) Write a note on : Servlet Collaboration. 4

SECTION – II

Q.-4 Define following terms: 7

- a) ORM 1
- b) AWT 1
- c) Scriptlet 1
- d) Struts 1
- e) Expression in JSP 1
- f) Spring 1
- g) <jsp:include> 1

Q.-5 Attempt following. 14

- a) Explain JSP Life Cycle. 5
- b) Explain Java Beans with properties/methods. 5
- c) Explain MVC Architecture. 4

OR

- a) Explain Hibernate mapping file. 5
- b) Explain Hibernate Session. 5
- c) Briefly explain Spring IOC and AOP. 4

Q.-6 Attempt following. 14

- a) Write a program to enter rollno in HTML file and display student data (rollno, Name, gender, birthdate) in table format if rollno is found, otherwise print appropriate message using JSP. 7
- b) Write a program to insert a record in Emp (empno, ename, salary, dept) using HTML/Servlet. 7

OR

- a) Write a program to enter empno in TextField and by pressing Delete Button, record Should be deleted from EMP(empno, ename, salary, dept) table with swing GUI JFrame and JDBC. 7
- b) Write a program to enter rollno and name using keyboard for student (rollno, Name, gender, birthdate) table and update name for entered rollno using JDBC. 7

