

# C.U.SHAH UNIVERSITY

## Winter Examination-2018

**Subject Name: Advanced Java Technology****Subject Code: 4TE06AJT1****Branch: B.Tech (CE)****Semester: 6****Date: 22/10/2018****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.
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**Q-1 Attempt the following questions :****(14)**

- a) Explain JButton
- b) What do you mean by heavy weight component in java?
- c) What is event listener?
- d) Explain JTextField.
- e) What is JDBC?
- f) What is ResultSet?
- g) What is AWT?
- h) What is the difference between Label and JLabel?
- i) Define ServletRequest?
- j) What is RMI?.
- k) Explain <JSP:include>.
- l) Explain JSP taglib directive
- m) Explain expression elements in JSP
- n) Explain <JSP:forward>.

**Attempt any four questions from Q-2 to Q-8****Q-2 Attempt all questions**

- a) Differentiate AWT with Swing. **04**
- b) Write a swing program for addition of two numbers. **05**
- c) Write MVC architecture in brief. **05**

**Q-3 Attempt all questions**

- a) Write a swing program to insert book details in database. **07**
- b) What is Statement? Explain types of statement with example. **07**

**Q-4 Attempt all questions**

- a) What is Servlet? Explain how does Servlet work? **07**
- b) Write a Servlet program to update user information using JDBC. **07**



**Q-5 Attempt all questions**

- a) What is JSP? Explain life cycle phase of JSP. **07**
- b) What are JSP directives? Explain JSP directives with example **07**

**Q-6 Attempt all questions**

- a) Explain architecture of J2EE in brief. **07**
- b) What is session? Write a JSP program to demonstrate session. **07**

**Q-7 Attempt all questions**

- a) Explain RMI architecture. **07**
- b) What is hibernate? Explain O-R mapping in hibernate in brief. **07**

**Q-8 Attempt all questions**

- a) Explain delegation event model in brief. **07**
- b) What is socket programming? Explain Socket, ServerSocket and DatagramSocket in brief. **07**

