

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

**Subject Name: Advanced Java Technology**

**Subject Code: 4TE06AJT1**

**Branch: B.Tech (CE,IT)**

**Semester: 6**

**Date: 20/04/2019**

**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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**Q-1 Attempt the following questions :**

**(14)**

- a) What are swing containers?
- b) Differentiate JApplet and JFrame.
- c) What is event listener?
- d) Explain LayoutManager.
- e) What do you mean by JDBC Driver?
- f) What is Statement in JDBC?
- g) What is marshalling in RMI?
- h) What are JSP scripting elements?
- i) Explain Config parameter in servlet.
- j) Explain JSP taglib directive?
- k) What do you mean by Web Container?
- l) What is JNDI?
- m) Explain <JSP:include>.
- n) What is Cookie?

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

**Q-2 Attempt all questions**

- a) Write a Swing Program to update book information using JDBC. **07**
- b) Explain mouse listener with example. **07**

**Q-3 Attempt all questions**

- a) Explain types of JDBC Driver **07**
- b) Explain features of swing and differentiate Swing and AWT. **07**

**Q-4 Attempt all questions**

- a) How Servlet Works? Gives different between Servlet and JSP. **07**
- b) Write a JSP program to track user using session and cookie if user is valid. **07**



**Q-5 Attempt all questions**

- a) What is servlet Filter? Explain Servlet Filter with Example **07**
- b) Explain JSTL core tag library with example. **07**

**Q-6 Attempt all questions**

- a) Explain n- tier architecture of J2EE in brief. **07**
- b) Explain include and forward of RequestDispatcher with example. **07**

**Q-7 Attempt all questions**

- a) What do you mean by Socket programming? Differentiate between Socket, ServerSocket and DatagramSocket. **07**
- b) Write short note on Hibernate Architecture. **07**

**Q-8 Attempt all questions**

- a) What is RMI? Explain Serialization and De-Serialization in RMI. **07**
- b) Create a RMI method to find addition of two number and also create stub to utilize that method **07**

