Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

<b>a</b>		BE - SEMESTER-VII (Old) EXAMINATION - WINTER 2019	_
	•	t Code: 170703 Date: 28/11/2019	)
	-	t Name: Advance Java Technology 10:30 AM TO 01:00 PM Total Marks: 70	Λ
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		Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a) (b)	Explain J2EE architecture with functionality of all components.  Discuss JDBC and its driver types? Which driver type is best and why?	07 07
Q.2	(a) (b)	Explain Servlet and HTTP Servlet with example.  Write a Java Servlet to print stock price when user enter stock code and submit.  OR	07 07
	<b>(b)</b>	Write a JSP code which take item code as input and generate output as item name and description.	07
Q.3	(a)	Demonstrate Socket and ServerSocket with client server echo communication example.	07
	<b>(b)</b>	Explain different JSP directive with their attribute by example and description.  OR	07
Q.3	(a) (b)	Explain MVC Architecture in Details with neat diagram.  Discuss the Expression Language feature of JSP and mention various implicit objects available in the EL with description.	07 07
Q.4	(a)	Discuss JSP Object scope: (i) Page (ii) Request (iii) Session (iv) Application with example.	07
	<b>(b)</b>	Write short note servlet filter and filter chain. Mention one example with configuration file.  OR	07
Q.4	(a)	What is Session. Why it is used? What are different methods used to implement session? Explain with one example.	07
	<b>(b)</b>	What is JSTE? Discuss various tags in JSTL with example.	07
Q.5	(a)	Write a Java Client and Server Program to get IP address of host name/domain.	07
	<b>(b)</b>	Write short note on Hibernate.  OR	07
Q.5	(a)	List and explain various swing layouts and components with examples.	07
٧.٠	(b)	Explain various tags in JSTL with example : (i) Core (ii)XML	07

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