(3 Hours)

Total Marks: 80

No	ote :	(1) Question No. 1 is compulsory.	
		(2) Attempt any four questions out of the remaining Q. 2 to Q. 7	1
1.	Att	empt any four:-	
		a) Wrapper Classes	20
		b) JSP Architecture	
		c) Cascading style sheets	
		d) Abstract class	
		e) Object Serialization and Descrialization	
2.	a)	What is Inheritance? Explain hybrid inheritance with suitable example.	8
	b)	Write a program to sort following city names in ascending order - Kolkata,	7
		Delhi, Pune, Mumbai, Surat, Indore, Bengalaru, Hyderabad.	
3.	a)	What is Object Oriented Programming? Explain OOP's Concepts in java with	8
	2010	suitable examples.	
	b)	What are differences between Generic Servlet and Http Servlet.	7
4.	a)	Describe java program steps in order to get connectivity to database along with example.	8
	b)	Explain Request Dispatching in Servlet. What are differences between Request Dispatching and send redirecting?	7
5.	a)	Explain Event Delegation Model in java with Suitable example.	8
	b)	What is Exception? Explain Handling process for any two java's unchecked	7
		runtime exception subclasses.	
6.	a)	What is Data Race Condition? Explain how you will eliminate data race	8
		condition in multithreaded application in java. Give an Example?	-
	b)	What is EJB? Explain different types of EJB.	7
7.	a)	What is JSP? Explain JSP Life cycle with suitable example.	8
	b)	What is struct? Explain features of structs.	7
	100		1