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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

SEVENTH SEMESTER B.TECH DEGREE EXAMINATION(S), MAY 2019

Course Code: IT409					
Course Name: Web Application Development					
Max. Marks: 100 Duration: 3 Hours			Hours		
PART A Answer any two full questions, each carries 15 marks. Marks					
1	a)	With a neat diagram explain about multi tier architecture of web applications.	(8)		
	b)	Explain JDBC Architecture	(7)		
2	a)	Explain the stages in a Servlets life cycle with a diagram?	(10)		
	b)	Differentiate between Driver and Driver Manager classes used in JDBC?	(5)		
3	a)	Design and Program a Servlets based online employee management system with	(10)		
		the following features:			
		(i) Employee registration (ii) Employee login (iii) Employee search using em_id			
	b)	What are the advantages of multi tier architecture design of web applications	(5)		
PART B Answer any two full questions, each carries 15 marks.					
4	a)	Describe various scopes for sharing data objects among JSP pages?	(8)		
•	b)	Explain JSP scripting elements with examples	(7)		
5	a)	Explain the different phases of processing a jsp page with the help of suitable	(8)		
J	u,	diagram	(0)		
	b)	Explain how control and data can be passed between JSP pages with an example	(7)		
6	a)	Write a JSP program to store current date and time in a cookie, to display the last	(8)		
		visited date, time in the web page upon reopening the same			
	b)	Explain JSP application design with MVC through an illustrative example	(7)		
PART C Answer any two full questions, each carries 20 marks.					
7	a)	Compare Entity bean and Session bean	(6)		
	b)	Describe the various attributes of a bean	(4)		
	c)	With a neat diagram explain the life cycle states of an entity bean	(10)		

8	a)	Illustrate the parts of a Bean	(8)
	b)	Identify the importance of Deployment Descriptor in a J2EE Application	(2)
	c)	How does Message Driven Beans differ from Session and Entity Beans	(5)
	d)	Define RMI	(5)
9	a)	Illustrate the steps involved in building of an Entity Bean	(10)
	b)	Illustrate the role of Contract in CMP?	(4)
	c)	Compare and Contrast Container Managed Persistence (CMP) and Bean Managed	(6)
		Persistence (BMP)	
