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APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

SEVENTH SEMESTER B.TECH DEGREE EXAMINATION, DECEMBER 2018

Course Code: IT409

Course Name: WEB APPLICATION DEVELOPMENT

Max. Marks: 100

Duration: 3 Hours PART A Answer any two full questions, each carries 15 marks. Marks a) With a neat diagram explain the life cycle of a web application (10)1 b) Differentiate between 2-tier and 3-tier JDBC architecture. (5) a) Design and Develop a Servlet based web application to update the basic salary of 2 (10)all employees belonging to the department of sales by 5%, assuming there exists an employee table with field(e id,e dept,e name,b sal,n sal) b) List out the benefits of Servlets. (5) 3 a) Give any three methods to overcome the stateless nature of HTTP protocol. (9) b) Explain the methods used to implement the life cycle of Servlets. (6) PART B Answer any two full questions, each carries 15 marks. (5) 4 a) How to pass control from one JSP page to another? b) Create a java bean 'User' having attributes fname, lname, rollno and address. (10)Write a JSP page viewuser.jsp that displays the bean values 5 a) What is session tracking? What is its purpose? (9) b) Write a JSP program to demonstrate the use of taglib directive (4) c) What is the use of 'include' attribute of page directive? (2) a) Explain the importance of data sharing among JSP Pages. Design and Develop a (9) JSP based web application to display the values which is being entered by the user in a registration form b) How does Error handling is done in JSP (6) PART C

Answer any two full questions, each carries 20 marks.

7 a) Explain the Container Managed Persistence of an EJB (5) b) With a neat diagram show how can we perform distributed programming (5)

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	c)	Illustrate the steps involved in the building of a session bean	(10)
8	a)	Explain the services provided by the EJB Container	(7)
	b)	What are the characteristics of Stateless and Stateful session bean	(3)
	c)	With a neat sketch explain CORBA Architecture	(10)
9	a)	List out the benefits of Enterprise Java Beans	(6)
	b)	Explain the roles of persistence manager	(4)
	c)	With a neat sketch explain the processes involved in the life cycle of an EJB	(10)

