VCD-Hioly S.Y.Bsc(C.S) -Advanced Java -sem IV-MRK-75 -HRS -2 14

N.B	 All questions are compulsory. Figures to write indicate marks. Illustrations, in-depth answers and depth answers and depth answers and depth answers are depth answers. 		a a	
Q.1	Attempt All (each of 5 marks)		(15)	
(a)	Multiple choice Questions:			
	i) Which method can set or change the text in a Label? a. setText() b. getText()			
	c.Add()	b. getText()		
	c.ndd()	d. None the above		
	ii) These objects hold data retrieved from Statement objects.	m a database after you execute an SQL query	using	
	a.CallableStatement	b.DBMS		
	c.Statement	d.ResultSet		
	iii)Which methods are used to bind the o	objects on HttpSession instance and get the c	hiocts?	
	a. setAttribute	b. getAttribute	bjects:	
	c. Both A & B	d. None of the above		
	iv) Which tag should be used to pass info	rmation from ISP to included ISP2		
	a) Using <%jsp:page> tag	b) Using <%jsp:param> tag		
	c) Using <%jsp:import> tag	d) Using <%jsp:useBean> tag		
	v) Abbreviate the term POJO?			
	a) Plain Old Java Object	b) Performance Old Java Object		
	c) Performance Optimize Java Object	d) None of the above		
		ine above	•	
b)	Fill in the blanks:			
	(setText(),public void rollback(),.jsn,Singleton Session Bean,public void commit(),ErrorPage,.json,getText(),IsErrorPage,Stateful Session Bean)			
	i) method drops all changes made since the previous commit/rollback.			
	ii) method can get the text in a Label?			
	iii)attribute specifies a JSP page that should process any exceptions thrown but not			
	caught in the current page.			
	iv)is the file extension of JSON			
	v) maintain their state between client invocations but are not required to maintain			
	their state across server crashes or shutdo	owns.		
		*		



(c)	Answer in 1-2 sentence.	
	i) List any two constructor of JButton ().	
	ii) List the types of Drivers in JDBC.	
	iii) What are the life cycle methods of Servlet?	
	iv) List the JSP Directives.	
	v) Abbreviate the term OGNL .	
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Q.2	Attempt the following (Any Three)	(15)
(a)	Write the difference between AWT and Swing.	(13)
(b)	Explain how to create and use JLabel component in swing.	
(c)	Write short note on JTabbed Pane.	
(d)	Explain JDBC Architecture	
(e)	Explain the statement class.	
(f)	Write a JDBC program to accept customer details from user and save in d	atabaso (Assumo
	Customer table exists with fields: Customerid, Name, Address, Contact No)	atabase.(Assume
	ezage	
Q.3	Attempt the following (Any Three)	(15)
(a)	Explain the servlet Life Cycle.	(15)
(b)	Write a short note on ServletContext Interface.	
(c)	Write short note on JSP Scripting elements.	
(d)	Explain JSP Page Directive.	
(e)	Write a servlet program to perform addition of two Numbers.	
(f)	Write a JSP program to find square root of given Number.	
Q.4	Attempt the following (Any Three)	(15)
(a)	Explain interceptors in struts.	(13)
(b)	What is OGNL? Explain the execution flow of OGNL	
(c)	Compare between JSON and XML.	
(d)	What are JavaBeans? Explain the components of JavaBeans.	
(e)	List and explain Features of struts2.	
(f)	* Explain how to use JSON Schema.	
Q.5	Attempt the following (Any Three)	(45)
(a)	Explain how to create and use JList component in swing.	(15)
(b)	Write short note on ResultSet.	
c)	Write a note on MVC Architecture of struts 2.	
(d)	Explain JSP life cycle.	
e)	Write short note about SavePoints.	