Heat No	The Part VINIVEDCITY		
	PARUL UNIVERSITY PACULTY OF IT & COMPUTER SCIENCE		
	MCA/MScIT 2024-25 Even Mid-Term Examination	40.000.000	
Seme		Date: 10/03/2025	
Selite	ct Code: 05201251/ 05202156	Time: (1hr:30min) Total Marks: 40	
Suble	et Name: Advanced Java Programming	TOTAL MATES. 40	
	etlons:		
1. Plet	res to the right indicate full marks.		
2. Mal	e sultable assumptions wherever necessary.		[10]
	Annual Mark North and		
0.1	Answer the following.		[3]
(n)	3 short questions of 1 mark each		
(,	(i) What is the primary purpose of JDBC7		
	(ii) Why is the service() method crucial in the serviet life cycle?		
	and the state of t		171
	Objective type/MCQs/True-False/Fill in blanks (7 questions of 1 mark each	(h)	[7]
(b)	Objective type/MCQs/True-Last/		
(11)	(i) What does JDBC stand for?		
	a Java Dynamic Connection		
	b. Java Database Connectivity		
	c. Java Database Compiler		
	d. Java Distributed Compiler		
		s. True/false. Give	
	(ii) The Statement interface in JDBC is used to execute SQL querie		
	justification.		
	t	vling a database	
	(iii) Which of the following JDBC components is responsible for loa	iding a database	
	driver?		
	a. Driver		
	b. DriverManager		
	c. ResultSet		
	d. SQLException		4.
	(iv) How do you access query parameters from a GET request in a	serviet?	
	a. request.getQueryParameter()		
	b. request.getParameter()		
	c. request.getAttribute()		
	d. request.getQueryString()		
	(v) The interface must be implemented to create a sec	rvlet filter.	
	(vi) What does JSP stand for?		
	a. JavaScript Pages		
	b. JavaServer Pages		
	c. Java Servlet Pages		
	d. Java Scripting Pages		
	(to Miles deep PI stand for in ICD 2 07		
	(vii) What does EL stand for in JSP 2.0?		
	a. Extended Language		
	b. Expression Language c. Evaluation Language		
	d. Enhanced Logic		
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	2 most questions)	[10]
Q	.2 Answer the following. (2 or 3 mark questions)	[4]
(a)	Two Questions of 2 Marks	(02)
((i) What is the purpose of a Prepared statement in	
	(ii) List the primary components of a filter lifecycle.	(02) [6]
(b)	Two Questions of 3 Marks	(03)
	(i) What is a cookie, and how to add cookies explain with an example.	(03)
	(ii) Explain the usage of the c:choose tag in JSTL.	[10]
Q.3	TOTAL O	(05)
	the state of the s	(05)
	(i) Describe how to establish a JDBC connection to a dame (ii) Compare the doGet() and doPost() methods in the servlet life cycle. When should each be used? (iii) Evaluate the use of the scriptlet tag (<% %>) for embedding Java code in JSP. What are the pro-	s (05)
	and cons?	[10]
0.4	Answer the following.	(05)
Q.4 (a)	Answer the following. Evaluate the benefits of using the <jsp:getproperty> tag for accessing JavaBean data instead of</jsp:getproperty>	(03)
•	writing scriptlets.	(05)
(b)	Answer the following. Create a basic servlet using the HttpServlet class that responds with "Hello, World!" to client	
	requests.	
		(05)
(b)	Answer the following. Create a JSP page that uses the c:out tag to display a user's name stored in a variable.	