## Seventh Semester B.E. Degree Examination, July/August 2021 Java and J2EE

Time: 3 hrs.

Max. Marks:100

## Note: Answer any FIVE full questions.

			(10 Marks)
1	a.	List and explain the Java buzzwoius.	(05 Marks)
	b.	How are arrays defined in Java? Explain with an example.	
	c.	Explain the process of building and running a Java application program.	(05 Marks)
	0.		
2	a.	Define exception. Demonstrate working of nested try blocks with suitable example	es.
4	a.		100
	b.	What are applets? Explain different stages in life cycle of an applet.	(08 Marks)
	c.	Write short notes on:	
	С.	i) Final class	
		ii) Abstract class.	(04 Marks)
3	0	What is synchronization? Explain role of synchronization with producer and	consumer
3	a.		,
	1	What is multithreading? Write a program to create multiple threads in Java.	(10 Marks)
	b.	What is inditinicating: White a program	
		Explain following, with an example for each	
4	a.		
			(12 Marks)
		iii) JComboBox class Explain the JscrollPane with an example.	(08 Marks)
	b.	Explain the Jsciolifalic with all example.	
		Describe various steps of JDBC, with code snippets.	(12 Marks)
5		TOTAL MANAGEMENT WITH DEAL (1189) ALL	(08 Marks)
	b	Explain J2EEE multitler architecture with nour dags.	
		What is servlet? What are the phases of servlet life cycle? Give an example.	(10 Marks)
6		What is servlet? What are the phases of service me eyers.	
	b		
		i) Session Tracking	(10 Marks)
		ii) Cookies.	
		What are different types of JSP tags? Demonstrate with simple JSP program.	(10 Marks)
,	7 8	n. What are different types of JSP tags? Demonstrate with simple of F	(10 Marks)
	ł	what are different types of the stage.  What is RMI? Describe code snippet for RMI at client side.	
		1 C Verraigo boons? Evnlain	(10 Marks)
	8	a. What are the different kinds of enterprise beans? Explain.	(10 Marks)
	1	b. With skeleton, explain entire Java Bean.	•

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of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be the