Code No: P21CST01

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
JAVA PROGRAMMING
(CSE BRANCH)

Time: 3 hours   Max. Marks: 70

Answer all the questions from each UNIT (5X14=70M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
1.	a)	List and explain Java buzzwords.	[7M]	1	2
	b)	What are the two control structures used in java for making decisions? Explain with an example program	[7M]	1	2
		OR			
2.	a)	Explain the important principles of Object Oriented Programming Paradigm	[7M]	1	2
	b)	Write a java program to illustrate the increment & decrement operators, shift operators and ternary operator	[7M]	1	3
		UNIT-II			
3.	a)	What is a Constructor? What is the main purpose of Constructors? How to invoke a constructor in JAVA	[7M]	2	2
	b)	With an example program explain the concept of classes and nested classes in java	[7M]	2	2
		OR			
4.	a)	Write different types of inheritances in Java and give an example for any two.	[7M]	2	2
	b)	Write a Java program to create a package where the program has to access a package and hide classes with packages	[7M]	2	3
		UNIT-III			
5.	a)	What is the importance of Exception Handling in Java? Define and distinguish between checked and unchecked exceptions	[7M]	3	2
	b)	Give the code of exception handling and also handle exception occurred during the execution of divide by zero	[7M]	3	3
		OR			
6.	a)	Explain the purpose of BufferedWriter and BufferedReader classes in Java with an example	[7M]	3	3
	b)	Write a program to display the number of characters, words, and lines in a given file.	[7M]	3	3
		UNIT-IV			
7.	a)	Explain the lifecycle of a Thread with neat sketch	[7M]	4	2
	b)	How can you perform thread scheduling by setting priorities to threads? Explain the same with an example	[7M]	4	3
		OR			
8.	a)	Develop an applet program to change the foreground and background colors and to display the message in the order in which the init(), start() and paint() methods are called.	[7M]	4	3
	b)	How to pass the parameters to an Applet? Explain with example.	[7M]	4	2

		UNIT-V			
9.	a)	Explain the process of event handling through delegation model	[7M]	5	2
	b)	Discuss various methods present in Window listener interface	[7M]	5	2
		OR			
10.		Explain about Border Layout? Write a Java program which creates Border Layout and adds two Checkboxes to it? Discuss various AWT controls in Java in detail	[14M]	5	3

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