

Code No: P21CST01

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 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) Explain the benefits and applications of Object Oriented Programming	[7M]	1	2
	b) Write a java program that inputs an integer, 'n' from the command line and displays the string "1+2+3+...+n=sum"	[7M]	1	3
OR				
2.	a) Discuss various primitive data types in Java in detail. Explain how they are different from reference data types.	[7M]	1	2
	b) Write a java program to illustrate the usage of conditional statements and looping statements	[7M]	1	3
UNIT-II				
3.	a) Explain the use of 'this' and 'super' keyword with an example.	[7M]	2	3
	b) Describe the usage of static members and nesting members with suitable example program	[7M]	2	3
OR				
4.	What is method overriding? Illustrate the concepts of method overriding and constructor overriding. Explain with sample code	[14M]	2	3
UNIT-III				
5.	a) Write the need of exceptional handling. Demonstrate Java program for array index out of bound and divide by zero exception.	[7M]	3	3
	b) Explain the following with sample code (i) throw (ii) throws (iii) finally	[7M]	3	3
OR				
6.	a) Explain the FileReader and FileWriter with example	[7M]	3	3
	b) Write a Java program to read from file and print file data on the user screen	[7M]	3	3
UNIT-IV				
7.	a) Explain multi threading. Write the purpose of isAlive() and join() functions in java. Explain the same with an example	[7M]	4	3
	b) Write a java program to create multiple threads. And explain the advantages of multithreading	[7M]	4	3
OR				
8.	a) Explain the Applet Life Cycle with neat sketch	[7M]	4	2
	b) Develop a simple banner applet using repaint() method to scroll a message from left to right and across the applets window	[7M]	4	3
UNIT-V				
9.	a) What are the sources of events? How to handle the events in java through event Listeners	[7M]	5	3
	b) Explain the following with sample code (i) Event Sources (ii) Event Listeners	[7M]	5	2
OR				
10.	How to create menus and menu bars using AWT? Explain with examples	[14M]	5	2


