

Code No: P21ITT04

HALL TICKET NUMBER

--	--	--	--	--	--	--	--	--	--

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

II B.TECH I SEMESTER END REGULAR EXAMINATIONS, JAN - 2023
OBJECT ORIENTED PROGRAMMING WITH JAVA
(CSE(IOTCSBT) 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 the features of Java Programming language.	[7M]	1	4
	b) Define operator. Discuss about various operators available in Java.	[7M]	1	1
OR				
2.	a) Discuss about the syntax of for each loop in Java with suitable example?	[7M]	1	6
	b) Write the syntax for switch statement in Java. Explain it with suitable example?	[7M]	1	1
UNIT-II				
3.	a) What are the main uses of this keyword? How can constructor chaining be done using this keyword?	[7M]	2	1
	b) Discuss about Recursive Methods in Java with suitable example?	[7M]	2	6
OR				
4.	a) Discuss about various class modifiers available in Java?	[7M]	2	6
	b) Discuss about pass by value and pass by reference mechanisms in Java?	[7M]	2	6
UNIT-III				
5.	a) Define an Array. Write a Java program to implement the product of 2 two-dimensional arrays?	[7M]	3	1
	b) Define Inheritance. Discuss about Multilevel inheritance in Java?	[7M]	3	1
OR				
6.	a) What is method overriding? Explain it with suitable example?	[7M]	3	1
	b) Write short notes on Java Interfaces?	[7M]	3	1
UNIT-IV				
7.	a) Define Java Package? Explain importing Packages and Classes into Java programs?	[7M]	4	1
	b) Write about Wrapper Classes in Java with suitable example?	[7M]	4	1
OR				
8.	a) What is an Exception? Explain Exception Handling Mechanism in Java?	[7M]	4	1
	b) Define custom exception? Explain it with suitable example program?	[7M]	4	1
UNIT-V				
9.	a) What is String in Java? Discuss about StringBuffer and StringBuilder classes in Java?	[7M]	5	1
	b) Explain the process of creation of thread in Java?	[7M]	5	5
OR				
10.	a) What is JDBC? What are the JDBC API components?	[7M]	5	1
	b) Write short notes on JDBC Transaction Management?	[7M]	5	1
