Code No: P21ITT04

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 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)	Discuss about the basic Concepts of Java Programming?	[7M]	1	
	b)	What are the Bitwise Logical Operators in Java. Explain it with example?	[7M]	1	
		OR			
2.	a)	Discuss about the syntax of nested for loop in Java with suitable example?	[7M]	1	
	b)	What are the advantages of static variables? Write a program to demonstrate static variable?	[7M]	1	
		UNIT-II			
3.	a)	Discuss about various class modifiers available in Java?	[7M]	2	
	b)	Define constructor. Write a program to demonstrate the overloading of constructor method in Java?	[7M]	2	
		OR			
4.	a)	Discuss about pass by value and pass by reference mechanisms in Java?	[7M]	2	
	b)	Discuss about Nesting of Methods in Java with suitable example?	[7M]	2	
		UNIT-III			
5.	a)	Define Inheritance. Discuss about hierarchical inheritance in Java?	[7M]	3	
	b)	Discuss about two-dimensional arrays in Java with an example.	[7M]	3	
		OR			
6.	a)	What is method overriding? Explain it with suitable example?	[7M]	3	
	b)	Write short notes on Java Interfaces?	[7M]	3	
		UNIT-IV			
7.	a)	Define Java Package? Explain the process of creation and importing of package into Java program?	[7M]	4	
	b)	Write about Wrapper Classes in Java with suitable example?	[7M]	4	
		OR			
8.	a)	What is an Exception? Explain Exception Handling Mechanism in Java?	[7M]	4	
	b)	Define custom exception? Explain it with suitable example program?	[7M]	4	
		UNIT-V			
9.	a)	Define String in Java? Discuss about any five Java String class methods?	[7M]	5	
	b)	What are the advantages of Java Multithreading? Discuss about the Life Cycle of a Thread?	[7M]	5	
		OR			
10.	a)	Discuss about any seven important methods available in the Java Thread class?	[7M]	5	
	b)	What is JDBC? Discuss about JDBC Drivers?	[7M]	5	

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