Code No: P18CSO01

HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
III B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Common to EEE,ME,ECE Branches)

Time: 3 hours   Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.		Questions	Marks	CO	KL
1.	a)	Define Polymorphism	[2M]	1	
	b)	What do you mean by Static Members	[2M]	2	
	c)	Discuss about Inner Classes	[2M]	3	
	d)	Illustrate about Thread States	[2M]	4	
	e)	Write sample Applet Program	[2M]	5	

PART-B
Answer One Question from each UNIT (5X10=50M)

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.	a)	Define i) Abstraction ii) Object iii) Class iv) Encapsulation v)Inheritance	[5M]	1	
	b)	Discuss about Java Unary operators with one example program	[5M]	1	
		OR			
3.	a)	Object Oriented Programming Vs Procedural oriented programming	[5M]	1	
	b)	Discuss about Shift Operators with example Program	[5M]	1	
		UNIT-II			
4.	a)	Demonstrate Multi level Inheritance with suitable program	[5M]	2	
	b)	Discuss the relationship between classes and interface	[5M]	2	
		OR			
5.	a)	Demonstrate Java exception handling with example program	[5M]	2	
	b)	Discuss about types of Java constructors	[5M]	2	
		UNIT-III			
6.	a)	How to access package from another package	[5M]	3	
	b)	Discuss about Java array list example program	[5M]	3	
		OR			
7.	a)	Discuss about Arithmetic exception with example	[5M]	3	
	b)	Discuss about types of nested classes	[5M]	3	
		UNIT-IV			
8.	a)	Write a java Program Write in to File using Write String method( )	[5M]	4	
	b)	Discuss about Thread Synchronization	[5M]	4	
		OR			
9.	a)	Character Stream vs Byte Streams in Java	[5M]	4	
	b)	Discuss about Thread life cycle	[5M]	4	
		UNIT-V			
10.	a)	Explain Event Handling in Java	[5M]	5	
	b)	Demonstrate Dialog boxes with example	[5M]	5	

		OR			
11.	a)	Discuss about Applet Structure with example code	[5M]	5	
	b)	Demonstrate Scroll Bars with example program	[5M]	5	

* * * * * *

* * * * * *