

Model Question Paper

Subject Code: CS/IT/CM/CD/CO-215 (R20)

R.V.R. & J.C. College of Engineering, Guntur – 522019

(Autonomous)

B.Tech. Semester-III [Second Year] Degree Examination

Subject Name: **Object Oriented Programming**

Time: 3 hrs

Max. Marks: 70

All Questions carry equal marks.

Answer Question No.1 compulsory (14 x 1 = 14 Marks)

Answer ONE Question from each unit (4 x 14 = 56 Marks)

	Answer ALL Questions		Marks	COs	Blooms Taxonomy Level
1.	(a)	Define encapsulation.	1	CO1	1
	(b)	List different types of constructors.	1	CO1	1
	(c)	Develop a Java program to find largest among two numbers using ternary operator	1	CO1	3
	(d)	Distinguish between method overloading and overriding.	1	CO2	4
	(e)	Define abstract class.	1	CO2	1
	(f)	Compare abstract class and interface.	1	CO2	2
	(g)	How to create a package?	1	CO3	1
	(h)	List different types of predefined exceptions.	1	CO4	1
	(i)	What is a deadlock?	1	CO5	1
	(j)	How to create an applet?	1	CO6	1
	(k)	Distinguish between AWT and Swing.	1	CO6	4
	(l)	How do you declare generic class?	1	CO6	1
	(m)	List different types of collections.	1	CO6	1
	(n)	What is an iterator?	1	CO6	1

UNIT – I

2.	(a)	Develop a Java program to calculate the average value of array elements.	7	CO1	3
	(b)	Discuss the use of static keyword with an example.	7	CO1	6
		(OR)			
3.	(a)	Demonstrate the working of method overloading with an example.	7	CO1	2
	(b)	Explain static and non-static nested class in java with an example.	7	CO1	5

UNIT – II

4.	(a)	Discuss the usage of super keyword with an example.	7	CO2	6
	(b)	Explain dynamic dispatch method with example.	7	CO2	5
		(OR)			
5.	(a)	How to solve the problem of Multiple Inheritance in Java? Discuss with an example.	7	CO3	1
	(b)	Explain access control protection in packages with an example.	7	CO3	5

UNIT – III

6.	(a)	Explain exception handling mechanism in Java?	7	CO4	5
	(b)	Discuss different ways to create threads with example.	7	CO5	6
		(OR)			
7.	(a)	Discuss life cycle of an applet. Explain passing parameters to applet with an example.	7	CO6	5
	(b)	Explain Delegation Event Model in detail.	7	CO6	5

UNIT – IV

8.	(a)	Discuss different AWT components in java.	7	CO6	6
	(b)	Explain the following swing components. i. JTree ii. JTable iii. JComboBox	7	CO6	5
		(OR)			
9.	(a)	What are the advantages of generics? Develop a java program to demonstrate generics method.	7	CO6	1
	(b)	What is collection in java? Discuss different collection classes with an example.	7	CO6	1