



SRI KRISHNA INSTITUTE OF TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E. New Delhi, Recognised by Govt. of Karnataka & Affiliated to V.T U., Belagavi)
#57, Chimney Hills, Hesaraghatta Main Road, Chikkabanavara Post, Bengaluru- 560090

Department of Computer Science and Engineering

Subject Name: Object oriented programming with JAVA

Subject Code: BCS306A

SEM: III

Faculty: Prof. Priyanka K Rathod

DIV: A and B

Module-3 Question Bank

SL#	Question	CO	Level	Marks
1.	Define inheritance? Write a Java Program to implement multi level inheritance with 3 levels of Hierarchy.	CO3	L2,L3	8
2.	Explain how an interfaces used to achieve multiple inheritance in Java.	CO3	L3	7
3.	Define an interface. Explain how to define and implement an interface with an example.			
4.	Illustrate the usage of Super keyword in Java with suitable example. Explain with example Dynamic method dispatch?	CO3	L3	8
5.	For any class and any method as an example, Explain the concept of method overriding.	CO3	L3	8
6.	Explain the final with inheritance by taking as example 1. final variable 2. final method 3. final class	CO3	L3	7
7.	Explain the order of constructor execution in a multi level class hierarchy.	CO3	L3	7
8.	Write the difference between method overloading and method overriding.	CO3	L3	8
9.	Build a Java program to create an interface resizable with method Resize (in radius) that allow and object to be resized for. Create a class circle that implements resizable interface and implements the resize method?	CO3	L3	7
10.	What is abstract class and abstract method? Explain with example.	CO3	L3	7



SRI KRISHNA INSTITUTE OF TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E. New Delhi, Recognised by Govt. of Karnataka & Affiliated to V.T U., Belagavi)
#57, Chimney Hills, Hesaraghatta Main Road, Chikkabanavara Post, Bengaluru- 560090

Module-4 Question Bank

SL#	Question	CO	Level	Marks
1.	What is package? How do we create it? Give the example to create and to access package.	CO4	L2	8
2.	Explain the concept of importing packages in Java and provide an example demonstrating the usage of the import statement.	CO4	L2	8
3.	Explain the steps involved in creating the user define package with an example.	CO4	L2	8
4.	Write a note on access protection in Java.	CO4	L2	7
5.	Define an exception ? Explain the exception handling mechanism with an example ?	CO4	L2	7
6.	Give the general form of exception handling block? Write a Java Program to illustrate multiple catch clauses.	CO4	L2	8
7.	Write program to illustrate for nested try statements java program?	CO4	L3	8
8.	Build a Java Program for banking application to throw an exception, where a person tries to withdraw the amount even though he/she has lesser than minimum balance (create a custom exception)	CO4	L2	8
9.	Write a Java program to create chained exceptions with top level exception is Null pointer exception and its cause Arithmetic Exception.	CO4	L2	6
10.	Write a note on: 1. Java's built-in exception 2. Uncaught Exceptions	CO4	L3	8
11.	How do you create your own exception class? Explain with a program.	CO4	L3	7
12.	Write a program which contains one method which will throw Illegal Access Exception and use proper exception handles so that exception should be printed.	CO4	L3	8



SRI KRISHNA INSTITUTE OF TECHNOLOGY

(Accredited by NAAC, Approved by A.I.C.T.E. New Delhi, Recognised by Govt. of Karnataka & Affiliated to V.T U., Belagavi)
#57, Chimney Hills, Hesaraghatta Main Road, Chikkabanavara Post, Bengaluru- 560090

Module-5 Question Bank

SL#	Question	CO	Level	Marks
1.	What do you mean by thread? Explain the different ways of creating threads.	CO5	L2	8
2.	What is multithreading? Write a program to create multiple threads in JAVA	CO5	L2	8
3.	With syntax, explain use Of is Alive() and join() methods.	CO5	L2	8
4.	Discuss values() and value Of() methods in Enumerations with suitable examples.	CO5	L2	8
5.	"Enumerations in Java are class types"-justify this statement with appropriate examples.	CO5	L2	8
6.	With syntax, Explain Values() and Value of() Methods.	CO5	L2	8
7.	Write a note on ordinal() and compare To() methods.	CO5	L2	8
8.	Explain auto boxing /unboxing in expressions.	CO5	L3	8
9.	What is the need of synchronization? Explain with an example how synchronization is implemented in JAVA.	CO5	L2	8
10.	What are wrapper classes?Explain the use of Type Wrappers in Java. Give an examples.	CO5	L3	8
11.	What is meant by thread priority? How to assign and get the thread priority?	CO5	L3	8
12.	Explain with an example how inter thread communication is implemented in JAVA	CO5	L3	8
13.	Explain how to achieve suspending, resuming and stopping threads with an example program.	CO5	L3	8

Faculty Signature