

**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY****(AN AUTONOMOUS INSTITUTION)****(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)****(Accredited by NAAC with "A" Grade, NBA (EEE, ECE & ME) & ISO 9001:2008 Certified Institution)****QUESTION BANK (DESCRIPTIVE)****Subject Name: OBJECT - ORIENTED PROGRAMMING THROUGH JAVA****Subject Code: 23A0507T****Course & Branch : B.Tech & (Common to All CSE ,CS,DS,AI ML)****Year & Semester: II B.Tech I Semester****Regulation: RG23****Unit 1**

S.No	2 Marks Questions (Short)	[BT Level][CO][Marks]
1.	What is the programming style in Java?	L1, CO1, 2 M
2.	Implement the formatted output with printf () method in Java.	L1, CO1, 2 M
3.	What are command line arguments in Java?	L1, CO1, 2 M
4.	Describe the working of switch statement in Java with example.	L1, CO1, 2 M
5.	Explain the purpose of static keyword in Java.	L1, CO1, 2 M
6.	Define Constant.	L1, CO1, 2 M
7	Define operator? List the operators	L1, CO1, 2 M
8.	What is datatype? List the datatypes in java?	L1, CO1, 2 M

S.No	Descriptive Questions (Long)	[BT Level] [CO][Marks]
1	Illustrate the Basic principles of Object Oriented Programming	L2, CO1, 10 M
2	Outline the java program structure with suitable example	L2, CO1, 10 M
3	Infer Different Data Types in java.	L2, CO1, 10 M
4	Define Variable? What are the different types of variables in Java and their scope along with examples.	L2, CO1, 10 M
5	What are the formatted output statements in java? Explain with example.	L2, CO1, 10 M
6	Demonstrate the concept of user input with Scanner class with example	L2, CO1, 10 M
7	Define Operator? Explain different types of operators supported by java?	L2, CO1, 10 M
8	Discuss the concept of type casting With example.	L2, CO1, 10 M
9	Explain the command line arguments in java? with suitable example	L2, CO1, 10 M
10	Explain about different looping control statements in java with syntaxes.	L2, CO1, 10 M
11	Explain Conditional control statements in java with examples.	L2, CO1, 10 M

Unit-2

S.No	2 Marks Questions (Short)	[BT Level][CO][Marks]
1.	What is access control?	L1, CO2, 2 M
2.	What is Nesting of methods?	L1, CO2, 2 M
3.	What is method over loading.	L1, CO2, 2 M
4.	What is method overriding?	L1, CO2, 2 M
5.	What is the use of final keyword in Java?	L1, CO2, 2 M
6.	How do we declare a static variable in Java	L1, CO2, 2 M
7.	Define Constructor?	L1, CO2, 2 M
8.	How to create Object for class in java.	L1, CO2, 2 M

S.No	Descriptive Questions (Long)	[BT Level] [CO][Marks]
1	Define a class in Java. Explain the significance of class declaration and modifiers with examples.	L2, CO2, 10 M
2	How to assign one object to another in Java. Explain with a example	L2, CO2, 10 M
3	What is Nested Class? Differentiate Inner class and Static nested class with example.	L2, CO2, 10 M
4	Illustrate the Final and static key words in java with suitable example.	L3, CO2, 10 M
5	Explain access specifiers in Java with suitable example.	L2, CO2, 10 M
6	Define Method? How to declare user define methods in java? Explain with suitable Example	L2, CO2,10 M
7	Explain how objects are passes by value and passed by reference. Provide a clear example.	L2, CO2,10 M
8	Discuss the concept of recursion methods. write a Java program to calculatethe Fibonacci series up to a specified term.	L2, CO2,10 M
9	Describe the concept of method overloading with a suitable program.	L2, CO2,10 M
10	Illustrate the This keyword along with suitable example	L3, CO2,10 M
11	Define Constructor and types? Explain with example?	L2, CO2,10 M
12	What is Constructor overloading? Write a Java program to implement Constructor Overloading	L2, CO2,10 M

Unit-3

S.No	2 Marks Questions (Short)	[BT Level][CO][Marks]
1.	Define array. Explain the operations performed on array	L1, CO3, 2 M
2.	What is abstract class and abstract method?	L1, CO3, 2 M
3.	What is super keyword?	L1, CO3, 2 M
4.	Describe the concept of dynamic method of dispatch	L1, CO3, 2 M
5.	What is multilevel inheritance in Java?	L1, CO3, 2 M
6.	How can you assign one array to another array in Java?	L1, CO3, 2 M
7.	What is a default method in an interface?	L1, CO3, 2 M
8.	What is Inheritance ? List its types	L1, CO3, 2 M

S.No	Descriptive Questions (Long)	[BT Level] [CO][Marks]
1	What is an array? Describe different types of arrays with suitable Examples.	L2, CO3,10 M
2	What is Inheritance? Explain different types of Inheritance with neat diagram?	L2, CO3,10 M
3	Explain single level inheritance and multi-level inheritance with suitable examples	L2, CO3,10 M
4	Explain the role of abstract classes and interfaces in java with a example	L2, CO3,10 M
5	What is an interface how to declare and implement the interface in Java with suitable example	L2, CO3,10 M
6	Illustrate the Dynamic Method Dispatch with example	L2, CO3,10 M
7	Define super keyword. How is it used in Java programs? Provide a suitable example.	L2, CO3,10 M
8	Define multiple inheritance how to handle the multiple inheritance through interfaces in java? Explain with suitable example	L2, CO3,10 M
9	What is method over riding? Write a Java program to implement method overriding.	L3, CO3,10 M
10	What are nested interface? How were they used in Java?	L2, CO3,10 M
11	What is interface, Implement a java program to find the area of circle and semi circle using interfaces.	L3, CO3,10 M

Unit - 4

S.No	2 Marks Questions (Short)	[BT Level][CO][Marks]
1.	Define package.	L1, CO4, 2 M
2.	what is an enumeration with example?	L1, CO4, 2 M
3.	What is Wrapper class ?	L1, CO4, 2 M
4.	What is class path in Java?	L1, CO4, 2 M
5.	Explain the use of throw keyword with example.	L1, CO4, 2 M
6.	What is byte stream in java?	L1, CO4, 2 M
7.	How do you import class from a package in Java?	L1, CO4, 2 M
8.	Explain Scanner class in java	L1, CO4, 2 M

S.No	Descriptive Questions (Long)	[BT Level] [CO][Marks]
1	Explain the concepts of packages in Java. How do you import packages and classes into a program? also Explain with examples.	L2, CO4, 10 M
2	What is package? Explain different packages with example?	L2, CO4, 10 M
3	Explain the basic structure of exception handling in Java, implement a java program using try, catch, and finally blocks.	L3, CO4, 10 M
4	Discuss the random class and its methods. Implement a Java program that generates random numbers.	L3, CO4, 10 M
5	What is checked exception and unchecked exception? Discuss with an example.	L2, CO4, 10 M
6	Explain I/o streams and its types with examples.	L2, CO4, 10 M
7	Define scanner. What are scanner classes with example.	L2, CO4, 10 M
8	What are temporal adjusters in java? Implement a java program.	L3, CO4, 10 M
9	Explain byte streams and character streams.	L2, CO4, 10 M
10	Implement a java program by using Multiple Catch statements	L3, CO4, 10 M

Unit - 5

S.No	2 Marks Questions (Short)	[BT Level][CO][Marks]
1	What is the interface of char sequence?	L1, CO5, 2 M
2	Define resuming a thread	L1, CO5, 2 M
3	What is main thread in Java?	L1, CO5, 2 M
4	Define thread Synchronization	L1, CO5, 2 M
5	What is Event handling	L1, CO6, 2 M
6	Explain the layout management of JavaFX.	L1, CO6, 2 M

7	Define Java FX app Window Structure	L1, CO6, 2 M
8	Explain the properties of Java FX Text	L1, CO6, 2 M

S.No	Descriptive Questions (Long)	[BT Level] [CO][Marks]
1	What is string buffer class and String Class explain with examples.	L2, C05, 10 M
2	Explain the concepts of strings in Java. Discuss methods that involves in string class.	L2, C05, 10 M
3	What is Multi threading? Implement runnable interface in java	L3, C05, 10 M
4	What is thread? How to implement multithreading programming in Java?	L2, C05, 10 M
5	Explain the life cycle of thread with neat diagram.	L2, C05, 10 M
6	Explain the different states of threads with suitable examples.	L2, C05, 10 M
7	How to find Priority of Thread in java? Explain with Example?	L2, C05, 10 M
8	Write a Java program to implement thread methods in java	L3, C05, 10 M
9	Illustrate how to setup MySQL and MySQL connector in Java?	L3, C06, 10 M
10	Explain the basics of Java database connectivity (JDBC) along with architecture.	L2, C06, 10 M
11	What are the layout managements in Java with suitable examples.	L2, C06, 10 M
12	Write a java program to create a text field and buttons using javaFX	L2, C06, 10 M
13	What is event handling and mouse event with clear examples.	L2, C06, 10 M

Signature of the Staff :

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