



SRI VENKATESWARA COLLEGE OF ENGINEERING

(AUTONOMOUS)

Karakambadi Road, TIRUPATI – 517507

Question bank

Name of the Branch/Course	Information Technology
Subject	Object Oriented Programming Through Java
Subject Code	CS23APC302
Year & Sem	II-I

10 Marks Questions

Unit – 1		Blooms Levels
1	Explain about Java Buzzwords or Java Features?	L2
2	Explain about Java oops principles?	L2
3	A) Differences between the object oriented program and procedural oriented programming. B) Explain Tokens in Java Program?	L4
4	Explain about Datatypes in java with suitable examples.	L2
5	Explain about operators in java.	L2
6	Explain about Control statements in detail?	L2
7	Explain about (a) Command line arguments (b) Escape sequences	L2
8	Explain about (a) Type casting in java (b) Scope of variables	L2
9	Describe the scope of a variable with an Example?	L2
10	Write a java program using operators specifying it's precedence and associativity?	L3
Unit – 2		Blooms Levels
1.	Develop a java program to create a class and object with an example?	L3
2.	What is method? How to call a method in Java with suitable example ?	L2

3.	Write about this keyword with suitable example ?	L2
4	A)Illustrate constructor and its types ? B)Create a class for constructor overloading?	L2 L3
5	What is a method? Explain method overloading with example.	L2
6	Create overloaded methods to find volume of Sphere, Cylinder & Cone in java?	L3
7	Describe about method calling (a) Call by Value (b) Call by Reference	L2
8	Explain about Nested classes in java?	L2
9	Explain different ways with suitable examples. (a) Declaring classes (b) Declaring objects	L2
10	What is Method overriding? Explain with suitable program.	L3
11	Explain about Final and Static Methods in java with suitable example ?	L2
12	Explain method overloading with example program. Write the three ways of overloading method.	L2
13	Demonstrate nested class concept with an example	L3
Unit – 3		Blooms Levels
1	What is Inheritance? Illustrate types of Inheritances with neat sketch and explain any three inheritances with example programs?	L2
2	Define Super Keyword. Explain the various rules and three levels of super keyword with an example programs?	L2
3	Define Final Keyword. Explain the various rules with an example programs?	L2
4	Write Java program on dynamic binding, differentiating method overloading and overriding?With example programs?	L3
5	Write Java program on use of inheritance, preventing inheritance using final, abstract classes	L3
6	A)Differentiate class, abstract class and interface. B) How to define an interface? What is its role in multiple inheritance?	L4
7	Write a java program to search an element in given array elements.	
8	Explain about arrays in java with an example program of 1D array and 2D array?	L2

9	Write a java program to sort an array elements.	L3
10	Write short notes on the following 1)Functional Interfaces 2)Annotations 3)Static methods in Interfaces	L2
Unit – 4		Blooms Levels
1	A)What is a package? How to define it and access it? B)Discuss the various levels of access protection for packages and their implications	L2
2	What is an Exception? How is an Exception handled in JAVA? Give example.	L2
3	A)Discuss 'throw' and 'throws' keywords for exception handling. B)Explain nested try statements and multiple catch blocks with example programs.	L2 L3
4	Write a program to illustrate user defined exception that checks the internal and external marks if the internal marks are greater than 40 it raise the exception "internal marks are exceed", if the external marks are greater than 60 exception is raised and display the message the "external marks are exceed."	L3
5	Demonstrate exception handling mechanism with 'try-catch-finally' blocks with an example JAVA program.	L3
6	A) Differentiate between error and exception. B)What are advantages of using Exception handling mechanism in a program?	L4 L2
7	Write a sample java program to get Array Index Out Bounds Exception in catch block?	L3
8	Explain about Byte Streams in java I/O packages.	L2
9	Explain about Scanner classes and files in Java?	L2
10	How to import a package? Explain about java SE , java.lang packages in detail.	L2
Unit – 5		Blooms Levels
1	Explain about strings in java in detail?	L2
2	What are the different types of string operations? Explain.	L2
3	A)Explain briefly about the life cycle of a thread and Explain various methods of thread class. B) Explain about thread priorities in java with suitable example.	L2
4	Write a Java program that creates three threads. First thread displays —Good Morning\ every one second, the second thread	L3

	displays —Hello! every two seconds and the third thread displays —Welcome! every three seconds.	
5	Explain the Event methods in Java FX that are associated with Mouse and Keyboard.	L2
6	What is JavaFX? Write various features of JavaFX.	L2
7	Write the differences between StringBuffer and StringBuilder classes.	L4
8	Explain about Thread priorities (a) Priority-synchronization (b) Inter-thread communication	L2
9	Explain about the Mouse Event Class and how to implement java with example.	L3
10	Write a Java Program to demonstrate multi-Threading Operation.	L3

2 Marks Questions

Unit – 1		Blooms Levels
1	What is Java?	L1
2	Explain about static and final keywords in java?	L2
3	What are tokens in java?	L1
4	Describe about Identifiers in java?	L2
5	Difference between break and continue statements	L4
6	What is Type casting?	L1
7	What is a Ternary Operator?	L1
8	What are symbolic constants?	L1
9	What is precedence of operators?	L1
10	Explain about command line arguments.	L2
Unit – 2		Blooms Levels
1	How to declare a class? Explain about class modifiers.	L2
2	Explain about this and final keywords in java.	L2
3	What is a constructor?	L1
4	What is method?	L1
5	What are access specifiers in java?	L1
6	How to assign one object to another?	L2
7	Difference between a parameter and variable?	L4
8	What is method overloading?	L2

9	What is method overriding?	L2
10	Explain about Nested methods?	L2
Unit – 3		Blooms Levels
1	Differentiate between fixed size and dynamic array allocation?	L4
2	What is one-dimensional array?	L2
3	What is Multidimensional array?	L1
4	What is sorting in arrays?	L1
5	Describe about class arrays?	L2
6	Explain about types of inheritance?	L2
7	What is an interface?	L1
8	What is super keyword?	L1
9	Difference between interface and package?	L4
10	What is abstract class?	L1
Unit – 4		Blooms Levels
1	How to import a package?	L2
2	What is java.util package?	L1
3	What is boxing and un-boxing?	L1
4	What is an Exception?	L1
5	Difference between exception and error?	L4
6	What is a scanner class?	L1
7	What is an API?	L1
8	What is an I/O Stream?	L1
9	How to set a classpath?	L2
10	Explain about Java SE package?	L2
Unit – 5		Blooms Levels
1	What is a string?	L1
2	Explain about string operations?	L2
3	What is a string buffer?	L1
4	Explain about thread synchronization?	L2
5	What is a Race condition?	L1
6	Differentiate between process and thread.	L4
7	What is a GUI?	L1
8	What is an Event?	L1
9	What is JavaFX ?	L1

10	What is Thread class?	L1
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