

Q.No	Question	Marks	Unit
1	Discuss the various characteristics of object oriented programming concepts.	8	Unit-I
2	Explain briefly about the features (buzzwords) of Java	8	Unit-I
3	What are the primitive data types in Java? Write about type conversions.	8	Unit-I
4	a) Describe Ternary operator in Java with suitable example.	4	Unit-I
	b) Explain any two bit-wise operators with example	4	
5	Explain about control statements in java with example	8	Unit-I
6	Explain the importance of this keyword with an example	8	Unit-I
7	a) What is meant by parameterized constructor? Describe with program.	4	Unit-I
	b) Define a class 'employee' with data members empid, name and salary. Accept data for five objects using Array of objects and print it	4	
8	Discuss about the constructor overloading and method overloading with an example	8	Unit-I
9	Explain the concept of arrays with an example	8	Unit-I
10	Explain briefly about String class and discuss various methods in string class with an example	8	Unit-I
11	a) Why Java does not support multiple Inheritance and Hybrid Inheritance? Explain it	4	Unit-II
	b) Explain the benefits of inheritance with an example	4	
12	Difference between method overloading and method overriding	8	Unit-II
13	With suitable code segments illustrate various uses of 'final' keyword	8	Unit-II
14	Describe the uses of super keywords with respect to inheritance	8	Unit-II
15	Explain about interface with an example	8	Unit-II
16	Differentiate between interface and abstract class	8	Unit-II
17	What is interface? How it is different from class? With suitable program explain the use of interface	8	Unit-II
18	How to define a package? How to access, import a package?	8	Unit-II

Explain with examples

19	Explain the various access specifiers are used in java	8	Unit-II
20	a) Define inner classes. List and explain types of Inner Classes with suitable example	4	Unit-II
	b) List any five built-in packages from Java API along with their use	4	
21	a) What is an exception? How are exceptions handled in Java programming? Explain with suitable program.	4	Unit-III
	b) Write a program that includes a try block and a catch clause which processes the arithmetic exception generated by division-by-zero error	4	
22	a) Differentiate between checked and unchecked exceptions	4	Unit-III
	b) what are keywords used in exception handling mechanism	4	
23	a) With a suitable Java program explain user-defined exceptions	4	Unit-III
	b) Difference between throw and throws keywords	4	
24	How to handle multiple catch blocks for a nested try block	8	Unit-III
25	Difference between final, finally and finalize	8	Unit-III
26	Explain with an example Write a program that demonstrate the priority setting in threads	8	Unit-III
27	a) What is a thread? Describe the complete life cycle of thread	4	Unit-III
	b) What is the purpose of the wait(), notify(), and notifyAll() methods	4	
28	Describe how to create a thread with an example	8	Unit-III
29	How to prevent deadlock situation in multithreading programming	8	Unit-III
30	How to communicate threads each other with example	8	Unit-III
31	a) What is meant by collection interfaces	4	Unit-IV
	b) Define an iterator ? Explain how accessing a collection using iterator?	4	
32	Discuss the methods of LinkedList class	8	Unit-IV
33	Write a program which stores a list of strings in an ArrayList and then displays the contents of the list	8	Unit-IV
34	Define a collection class and differentiate ArrayList and Linked List	8	Unit-IV

35	Demonstrate about stack class with an example	8	Unit-IV
36	Explain Hash Set, Tree Set and Priority Queue	8	Unit-IV
37	Discuss about Streams and stream classes	8	Unit-IV
38	Distinguish between	8	Unit-IV
	a) Inputstream and Reader classes		
	b) Outputstream and Writer classes		
39	Write a program to copy the contents of file1 to file 2. Read the names of files as command line arguments	8	Unit-IV
40	What is the purpose of the File class	8	Unit-IV
41	Discuss the four types of JDBC driver with suitable diagrams	8	Unit-V
42	What are the steps to connect the database from with java application	8	Unit-V
43	Write about driver manager class for database connectivity	8	Unit-V
44	Write a JDBC program to search for an attribute in a table and display the entire tuple to the user. For example, display all the details of the student given his/her roll number	8	Unit-V
45	How can we retrieve the data from MySQL Database	8	Unit-V
46	Explain the difference between execute(), executeQuery() and executeUpdate()	8	Unit-V
47	Explain the differences between Statement and PreparedStatement interface	8	Unit-V
48	Explain the execution of stored procedures using Callable Statement with example	8	Unit-V
49	Write a jdbc program to connect to a MySql database name MRUCSE and fetch all the records from student table where grade is "A"	8	Unit-V
50	List and explain JDBC statements with example programs	8	Unit-V