

## QUESTION BANK

5 marks questions

### UNIT I

1. Explain classes and objects
2. Give brief introduction to java
3. Write about java buzz words
4. Explain java features
5. Write about variable declarations and scope of variables in java
6. Write about if-else branching
7. Explain switch-case statement in java

### UNIT II

1. Explain initialising of arrays
2. Explain Command Line Arguments
3. what are the differences between instance and static methods of java
4. Write about constructors
5. Write about this keyword
6. Explain super keyword
7. Explain Dynamic Binding

### UNIT III

1. Write differences between abstract classes and interfaces
2. Explain types of errors in java.
3. Write differences between throw and throws keywords
4. Write an example of extending interface
5. Write about finally block

### UNIT IV

1. What is a package and explain about 5 pre-defined packages
2. What is Thread priority
3. What is static import in java
4. What is dead lock in java
5. What are the options used with javac, and java commands while using user defined packages

### UNIT V

1. Explain reading console input and writing console output
2. Explain File Reader and FileWriter classes
3. Write about FileInputStream and FileOyutputStream classes
4. Explain 2 tiered architecture
5. write about stages in JDBC program
6. Explain different JDBC drivers

10 Marks Questions

### UNIT I

1. Explain JRE and architecture of JVM
2. Explain the need of oops over procedural programming
3. Explain different primitive data types of java
4. Explain operators of java
5. Explain different control statements in java
6. Explain different types of loops with syntaxes in java
7. Explain type casting and converting

## UNIT II

1. Explain Jagged arrays in java
2. White about single dimensional arrays of java
3. Explain how strings are managed with in string pool
4. Explain types of Polymorphisms.
5. Explain Inheritance concepts in java
6. Explain method overriding
7. Write about Abstract classes
8. Explain final keyword

## UNIT III

1. Explain multiple inheritance with interfaces in java
2. Give an introduction and benefits of exception handling.
3. Write about classification of exceptions in java
4. Write about exception handling with try-catch-finally
5. What is exception handling and explain any 10 pre-defined exceptions.

## UNIT IV

1. How to create user defined packages and use them
2. What is the purpose of packages and how to use them
3. Write program to explain user defined packages
4. Give an introduction to threads and how to use them?
5. Explain thread life cycle
6. Explain the methods used for smooth running of multi-threading
7. Explain synchronized methods in multi threading.

## UNIT V

1. Write about classes and interfaces used for JDBC connectivity
2. Explain Types of IO Streams
3. Write about File Handling
4. Explain difference between Statement and PreparedStatement
5. Write a program to illustrate fetching data from table EMP(eid,ename,sal) and displaying through java program.
6. Illustrate data reading and writing to files using different file streams.