

- Q-1 Attempt the following questions.**
- 1) Discuss the features of Java Programming Language. [7]
 - 2) Explain garbage collection and finalize () method. [7]
- OR**
- Q-1 Attempt the following questions.**
- 1) Explain different Java Control Statement with example. [7]
 - 2) Explain following terms: [7]
 - i) Abstraction & Encapsulation
 - ii) Polymorphism
 - iii) Inheritance
- Q-2 Attempt the following questions.**
- 1) Define an exception called "NoMatchException" that is thrown when a String is not a palindrome. Write a program that uses this exception. [7]
 - 2) (i) What is Exception Handling? Explain keywords.(i) Try (ii) Catch [4]
(ii) Give difference between method overloading & method overriding. [3]
- OR**
- Q-2 Attempt the following questions.**
- 1) What is interface? Explain with appropriate example. [7]
 - 2) (i) Explain super keyword. [4]
(ii) Explain abstract and inner class. [3]
- Q-3 Attempt the following questions.**
- 1) What is Thread? Explain Life Cycle of Thread. [7]
 - 2) Write a program that creates three threads using Runnable interface, make a thread run for 5 iteration and display the value of variable. [7]
- OR**
- Q-3 Attempt the following questions.**
- 1) Explain isAlive() and Join () methods of thread. [7]
 - 2) Explain Synchronization in thread. [7]
- Q-4 Attempt the following questions.**
- 1) What is stream? Explain byte stream and character stream. [7]
 - 2) Give difference between string and string buffer class. Explain any three Methods of both string & string buffer class. [7]
- OR**
- Q-4 Attempt the following questions.**
- 1) What is serialization? Explain in details. [7]
 - 2) Write a program to copy test1.txt file to test2.txt file using stream Classes. [7]
- Q-5 Attempt the following questions.**
- 1) What is Applet? Discuss about Lifecycle of Applet. [7]
 - 2) Draw a smiley face using applet. [7]
- OR**
- Q-5 Attempt the following questions.**
- 1) Explain difference between web Applet and Standalone application. [7]
 - 2) Write a short note on Applet tag. Explain attribute of applet tag with example. [7]