



Question No.		Max. Marks
Q1.	<p>a) Give the use of the following methods of Statement interface</p> <p style="padding-left: 40px;">i) executeQuery ()    ii) executeUpdate ()    iii)execute()</p> <p>b) What is multithreading? Write program to explain how implementing runnable interface in Java creates a thread.</p>	<p>(05)</p> <p>(05)</p>
Q2.	<p>a) Compare SWING components to standard AWT.</p> <p>b) What is the difference between an Applet and an Application?</p> <p>c) What is the main functionality of the Prepared Statement?</p> <p>d) What are the significance of wrapper classes in Java programs? Explain java wrapper class with suitable java code</p>	<p>(02)</p> <p>(02)</p> <p>(02)</p> <p>(04)</p>
Q3.	<p>a) With suitable Java program segment explain the keywords static, this &amp; final.</p> <p>b) List the features of Java and explain any three in detail.</p>	<p>(05)</p> <p>(05)</p>
Q4.	<p>a) How is a Vector different from an array? How can you create a Vector in Java?</p> <p>b) What do you mean by method overloading? Write a program to implement the concept of constructor overloading.</p>	<p>(05)</p> <p>(05)</p>
Q5.	<p>a) What do you mean by Package? Explain creating, accessing, using a package.</p> <p>b) What is the basic difference between the 2 approaches to exception handling?</p> <p style="padding-left: 40px;">1&gt;try catch block and</p> <p style="padding-left: 40px;">2&gt; specifying the candidate exceptions in the throws clause? When should you use which approach?</p>	<p>(06)</p> <p>(04)</p>
Q6.	<p>a) Write a Java class CountAndPrintArgs to print the number of arguments                      passed on the command line as well as the 1st letter of the arguments. For                      example, if the command line arguments are: "Mango Cucumber Apple" then                      the output will be</p> <p style="padding-left: 40px;">No. of Arguments – 3</p> <p style="padding-left: 40px;">MCA</p> <p>b) Write and discuss a program to create a sequential file that could store details about five products. Details include product code, cost, and the number of items available.                      These details are provided through the keyboard.</p>	<p>(06)</p> <p>(04)</p>