1. What is a Package? Name the Package you need to import for performing Input and Output. [2]
2. What are the features of Object Oriented Programming? [2]
3. Write the difference between Web Page & Web Server. [2]
4. What do you understand about inheritance? Write the advantages of inheritance. [2]
5. What is a URL? What are its components? Give suitable example. [2]
6. Write the purpose of following method with proper example:
   i) substring( )
   ii) append( )
   iii) equalsIgnoreCase( )
   iv) pow( ) [2]
7. A phone number consisting 10 digits, is stored in a string variable strPhone. Now it is required to store phone number in a long type variable longPhone. Write a Java statements to do this. [2]
8. Given a string object namely 'subject', having value as “123” stored in it. What will be result of the following:
   JOptionPane.showMessageDialog(null, “”+(subject.length() + Integer.parseInt(subject))); [2]
9. What will be the context of jTextArea1 and jTextField1 after the execution of the following statements?
   i) jTextArea1.setText(“HAPPY\tINDEPENDENCE\nDAY”);
   ii) String subject="KV1 SALT LAKE"
       jTextField1.setText(“” + (subject.length() + 10)); [2]
10. What will be the value of m and n after execution of the following code:
    int m, n=100;
    for(m=10; m<=12; m++)
        { n += m; }
    JOptionPane.showMessageDialog(this, “m:"+ m + “n:" + n + “”); [2]
11. What will be displayed in jTextField1 and jTextField2 after the execution of the following code?
    Int last, first=3, second=5;
    last = first + second++;
    jTextField1.setText(Integer.toString(last));
    jTextField2.setText(Integer.toString(second)); [2]
12. What will be the contents of str1 and str2 after the execution of the following code:...
String str1, str2;
str1 = “Dear Friend”;
str2 = “Hello”;
str1 = str2.concat(str1);

13. What is the output of the following code fragment: 
   String s= “Informatics Practices !”;
   String t=null;
   System.out.println(s.substring(3, 17));
   s=t;
   System.out.println(s.charAt(1));

14. Which library contains method for common Mathematical operation? 
   What will be the value of a and b after the execution of the following code?
   int a = Math.pow(2,3);
   int b = Math.round(-1.6);

15. Write a method in Java to take a number as argument and print the product of its digits, as if a number entered 524 then the program gives output as 40.

16. Write a Java code to check a given word is Palindrome Word or not.

17. Develop a GUI Application to display the Short Name as per given format.
   i) Write the Java code for “Get Short Name” Button to display the Short Name as shown in figure.
   ii) Write the code for “RESET” Button.

18. i) What are the different types of lists in HTML? Explain each of them with example.
   ii) Write a HTML code to define the following terms in a Webpage by using definition list in HTML.
      a) GUI,            b) URL