***WORKSHEET INFORMATICS PRACTICES***

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Explain How and when do you use getText() & setText() methods?

b) Differentiate of its‟ applications: isEditable() & isEnabled()

c) Write the use of valueOf() method and output of the statement: float x=999.101 ; jLabel1.setText(String.valueOf(x));

d) Write the function of toString() method.

e) What is a wrapper class? Explain the following in terms of wrapper class: String x=”12345”; int y=Integer.parseInt(x) ;

f) Why do you use import javax.swing.JOptionPane ? Describe the two applications of JOptionPane class of the package javax.swing

g) Which swing components does javax.swing.JPanel container contain?

h) Write the application of the method getPassword() with a right example.

i) How do you insert single lined and multiple lines comments?

j) What are the members of Java Tokens?

k) Differentiate: (a) Identifiers & Keywords , (b) Primitive & Reference Datatype , (c) Local & Instance(object) variable , (d) Logical & Relational operators, (e) \t & \n , (f) \b & \r , (g) / & % operators

l) Differentiate: (i) int x=10 & final int y=10; (ii) (int k=10) & (int k==10)

m) What is use of default in switch…..case statement? When do you use break in switch…..case?

n) What are pre and post increments? Can you explain pre & post decrement also with example?

o) What will happen if you run a break statement in for loop? When do you use for loop?

p) How do you differentiate the applications of: while and do……while statements?

q) What are exit-control and entry-control looping statements? Explain with example.

r) In a Java application using Net Beans IDE, the user views the data on the Text Fields, he found that – his name is misspelled, now he wants to edit it, but can‟t. What was done by the programmer that does not allow the user to edit his name?

s) How do you enable the jLabel1?

t) How do you insert values into the TextArea? Write the syntax in terms of inputing value of i: for(i=1;i<=10;i++)?

u) Rashmi in her desktop application wanted to show her friend‟s names in the List Box and their city names in the Combo Box. Which property of the List Box and Combo Box will she use to do her jobs?

v) When do you import javax.swing.DefaultListModel; & import javax.swing.DefaultComboBoxModel; ?

w) What is Panel Container? In which package does it stay?

x) When do you use Check Box and Radio Button? Establish the relation between the use/application of Radio Button and Combo Box.

y) Differentiate: (i) String x = (String) jList1.getSelectedValue() & String x = (String) jComboBox1.getSelectedItem() (ii) isSelected() & setSelected() (iii) Text1.setForeground() & Text1.setFont() (iv) getText() & setText() (v) getSelectedIndex() & getSelectedValue() (vi) addElement() & insertElementAt() (vii) removeAllElements() & removeElementAt() (viii) remove() & clear() (xi) getModel() & setModel() (x) isEnabled() & setEnabled() (xi) JOptionPane.MessageDialog( ) and JOptionPane.InputDialog( )

z) What is swing control? (Z.1) Write the output of x in the following case:> int x = (5>=8) ? 1 : 2;

aa)What is ButtonGroup? How does it effect to select a Radio Button?

bb)How does the Model contain the data to be taken from a list of data?

cc)What is the concept of OOP in terms of Class and Object? Write the syntax of the object creation.

dd)Object of which class do you create when you are working with inheritance? Write the advantages of inheritance.

ee)How many times the following loops will run? Which one of these is entry control and which one is exit control? Show the outputs: (A) int s=0 ; i=4 ; do { s+=i ; i++ ; } while (i ”+ x + “ ” + y; (B) int a=2; int b=3; do{++b + b++; a++; a=++a ;} while(b<=12) ;System.out.println(“Value of a & b=> ”+ a + “ ” + b;

gg) What are ODBC and JDBC ?

hh) Write down the steps to create Menu & Sub-Menu. (FILE -> Open -> main.exe)

ii) What is purpose of user defined method? How do you pass parameters/arguments to a method?

jj) Explain methods call by value and call by reference .

kk) When a called method is called as void type and other data types? What do you understand value returned?

ll) Explain scope of variables in terms of Local and Global variables.

mm) Write a function that will take length and breadth of a rectangle as parameters and return the area of the rectangle.

nn) Write the use & Output of the following STRING Library Functions: (1) contact( ) (2) Length( ) (3) substring( ) (4) toLowerCase() (5) toUpperCase() (6) Trim() (7) String x=”Indoaryan” ; String y=”Existentialism” ; x=x.contact(y) ; System.out.print(“ ”+x) ; oo) Write the use & Output of the following Library Functions from MATH class: (1) Math.sqrt() (2) Math.abs() (3) Math.cell() (4) Math.pow() (5) Math.round() (6) Math.max() (7) Math.min() (8) Math.floor(12.7) (9) Math.pow(2,3) (10) Math.sin(30) (11) Math.round(78.678)