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SECOND MONTHLY EXAMINATION, JULY 2015-16

CLASS :XII

MAX. MARKS : 50

SUBJECT : INFORMATICS PRACTICES

TIME :1 1/2 HRS

1. Write java code that takes the price of a pencil from jTextField1 and quantity from jTextField2 and calculates the total amount as price x quantity to be displayed in jTextField3 and also find the 10% tax amount to be displayed in jTextField4. 3
2. Find output of the following code. 3

```
int I=1;
while(I<5)
{
    System.out.println(I);
    I=I*2;
}
```
3. Rewrite the following code using switch – case 3

```
if(ch=="E")
    eastern++;
if(ch=="W")
    western++;
if(ch=="N")
    northern++;
if(ch=="S")
    southern++;
else
    unknown++;
```
4. Write java code that takes value for side of a square in jTextField1 and display its area in jTextField2. 2
5. Write java code that takes value for number n in jTextField1 and display its cube in jTextField2. 2
6. Obtain output for the following code if the string object salary has the value "55000". 2

```
JOptionPane.showMessageDialog(null," "+salary.length()+Integer.parseInt(salary));
```
7. A worker id consisting of 4 digits is stored in a string variable strworkid. Now Mr.James wants to store the same as integer type of variable intworkid. Help him to do this. 2
8. Predict the output of the following code segment. 4

```
double d=100.675;
double e=100.500;
float f=100;
float g=90;
System.out.println(Math.round(d));
System.out.println(Math.round(e));
System.out.println(Math.round(f));
System.out.println(Math.round(g));
```
9. Write statements for the following. 1
 - (a) Assign a character „w“ to a char variable letter. 1
 - (b) Use a statement to display the value of sum in jTextField1. 1
10. An item-code consisting of six digits is stored in an integer variable itcode. Write the code to store it as string variable in itrancode. 2
11. Find output of the following. 3

```
int x=2;
int y=++x;
jTextArea1.append(String.valueOf(x));
jTextArea1.append(String.valueOf(y));
jTextArea1.append(String.valueOf(x++));
```

12. Predict the output for the following code snippet. 3

```
String Message="Hello! How are you?", message1,message2,message3;
message1=Message.substring(7);
message2= Message.substring(0,5);
message3= Message.toUpperCase();
```
13. Which command allows you to view the tables in the current database? 1
14. What is the purpose of break statement in switch-case? Illustrate with an example. 3
15. Which property of radiobutton is to be used to make them mutually exclusive? 1
16. Name one container each for top-level container, middle – level container 2
17. Write a function in java which takes a three digit number and finds its middle digit. 3
18. Differentiate between jCobmobox and jListbox. 2
19. What is an abstract class? 1
20. ABC Sales Enterprise wants developed a software to make the bill for their customer. GUI for the application given below.

The image shows a Java Swing window with a light gray background. It contains three text input fields stacked vertically. The first is labeled 'Enter Sales Amount', the second 'Discount', and the third 'Net Amount'. To the right of the 'Net Amount' field is a 'Calculate' button. At the bottom of the window, there are two buttons: 'Clear' on the left and 'Exit' on the right.

Write the java statement for the following requirements.

a) Write the statement to make the text fields (txtDiscount) and txtNet non-editable. 2

b) Calculate discount and net amount for calculate button based on the following criteria. 2

Sales Amount	Discount
≥ 5000	5
≥ 3000	3
≥ 1000	1

c) Write the statement to clear all textfields when clicking the clear button. 1

d) Write the java statement for the exit button to close the application. 1

ANSWER KEY

1	<pre>Double price=Double.parseDouble(jTextField1.getText()); int qty=Integer.parseInt(jTextField2.getText()); Double amount=qty*price; jTextField3.setText(Double.toString(amount)); jTextField4.setText(Double.toString(amount*0.1));</pre>
2	<pre>1 2 4</pre>
3	<pre>switch(ch) { case 'E': eastern++; break; case 'W': western++; break; case 'N': northern++; break; case 'S': southern++; break; default: unknown++;</pre>
4	<pre>Double a=Double.parseDouble(jTextField1.getText()); Double area=a*a; jTextField2.setText(Double.toString(area));</pre>
5	<pre>int num= Integer.parseInt(jTextField1.getText()); int cube=n*n*n; jTextField2.setText(Integer.toString(cube));</pre>
6	55005
7	<pre>intworkid=Integer.parseInt(strwrkid);</pre>
8	<pre>101 101 100 90</pre>
9	<pre>char letter='w'; jTextField1.setText(Integer.toString(sum));</pre>
10	<pre>itstrcode=Integer.toString(itcode);</pre>
11	333
12	<pre>How are you? Hello! HELLO HOW ARE YOU</pre>
13	Show tables;
14	<pre>Top-level- JFrame Middle level-jPanel</pre>
15	<pre>void midnum() {</pre>

	<pre>int n; n=Integer.parseInt(jTextField1.getText()); n=n/10; int m=n%10; System.out.print(m); }</pre>
18	jListBox allows multiple selection whereas JComboBox allows single selection
19	Abstract class is the class which acts as a place holder. Objects of which will not be created. But it is used for inheriting.
20	Write appropriate code