



MATA JAI KAUR PUBLIC SCHOOL	
CLASS XII/HOLIDAYS H.W. 2017	
SUBJECT	HOLIDAYS H.W.
INFORMATICS PRACTICES	<p><u>Take the printout of questions and write answers to the following questions with pen. Attach the printouts in the Assignment folder.</u></p> <p>a) What message will be displayed after the execution of the following code</p> <pre>int a = 50, b = 35 ; int c = a - b ; c = c + 15 ; if (c <= 25) jOptionPane.showMessageDialog (null, "Very"); else jOptionPane.showMessageDialog (null, "Nice");</pre> <p>b) Write names of 3 loops in Java.</p> <p>c) Why it is necessary to put break statement after every case in a switch statement?</p> <p>d) (i) How many times the following loop gets executed ?</p> <pre>int x = 20 , y = 50 ; while (x <= y) { x += 5 ; }</pre> <p>(ii) What will be contents of jTextField2 after executing the following code: <code>jTextField2.setText("" + Math.pow(4,3));</code></p> <p>e) Convert the following code using switch</p> <pre>if (CNum == 1) Comp = "Yamaha" ; else if (BNum == 2) Comp = "Honda" ; else if (code == 3) Comp = "Hero" ; else if (code == 4) Comp = "TVS" ; else Comp = "Mahindra" ;</pre> <p>f) The following code has some errors. Rewrite the correct code underlining all the correction made.</p>



```
int x = 7 ; sum 0;  
{ sum = x ;  
x += 5 ;  
} while (x <= 30)  
jTextField1 (Integer.toString (sum)) ;
```

g) ABC Jewellers has developed a GUI application to calculate the Bill amount for its shop as shown below.

Note - 10 % discount will be given to special customers

The screenshot shows a Java Swing window titled "ABC Jewellers". The window has a light gray background and a blue title bar. It contains the following elements:

- Labels: "Bill No.", "Customer Name", "Rate", "Weight", "Special Customer", "Bill Amount", "Discount", "Net Amount".
- Input fields: Text boxes for "Bill No.", "Customer Name", "Rate", "Weight", "Bill Amount", "Discount", and "Net Amount".
- Checkbox: A checkbox labeled "Special Customer".
- Buttons: Three buttons at the bottom labeled "Calculate Bill", "New Bill", and "Exit".

(i) Write the code to make the textFields for Bill Amount, Discount and Net Amount uneditable.

(ii) Write code to do the following:

(a) Calculate the Bill Amount (Bill Amount = rate*Weight) Discount and Net amount and display them in respective textFields when "Calculate Bill" button is pressed.

(b) Clear all the textFields and uncheck the Special Customer checkbox when the "New Bill" button is pressed.