Std. 11   **Time : 1 hr.**
23-11-2016   **Third Unit Test in INFORMATICS PRACTICES**   **M. Marks: 20**
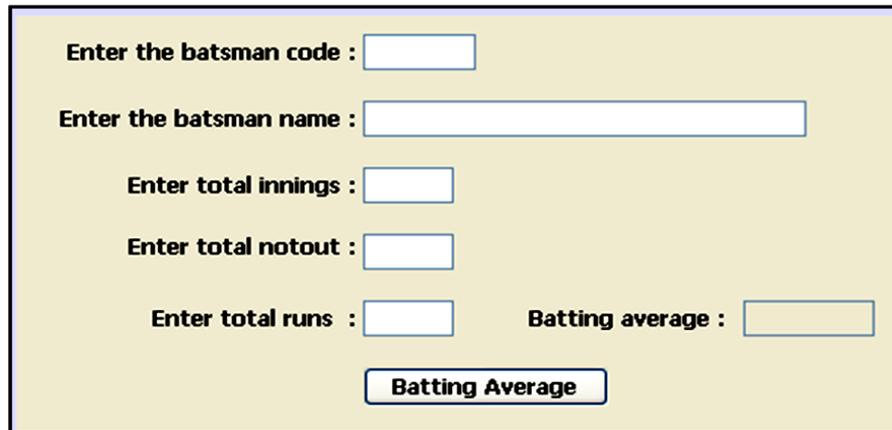
1) Answer the following in one word:-   [2½]
   a) Name one invisible control.
   b) Name the property that restricts the user from typing in jTextFeild at run time.
   c) Name the method / function used to retrieve data from a valid NetBeans control.
   d) Name the datatype that can store the values true or false
   e) Name the property that makes the background color of jLabel visible.

2) Write coding for the following :-
   a) Write code that takes the Percentage of marks from jTextField2 , increases the percentage
      of marks by 5.5 and store the increased percentage of marks in jTextField3.   [2]
   b) An employee code is stored in a string variable ECode. Now Mr. Anant wants to store this
      code in integer type variable ICode. Write statement to do this (**only one statement**). [1]

3) Write output of the following code:-

   a) What will be displayed in jTextArea1 after executing the following statement?   [1]

      jTextArea1.append("Xavier \t Fair \n 2016");
      (assuming **"St. Xavier's School"** is already typed in jTextArea1)

   b) What will be displayed in jTextField5 after executing the following code:-   [1]

      ```
      int  I = 26;
      I = I + 1 ;
      jTextField1.setText( I<26 ? "value is" + I : "value is "+(I+10) ) ;
      ```

   c) What will be printed in output window after executing the following code:-   [2]

      ```
      float  F = 79.57 ;
      String  X ="Xavier Fair";
      char  A  = '\n' ;
      int  I = 50 ;
      System.out.println( X + A + "*** \t 11-F \n ###");
      System.out.print(I+F);
      ```

4) Write coding for jButton1 to calculate batting average from values entered in jTextFields.   [3]

Batting average = total runs **/** (total innings **–** total notout)

5) Write coding for :

    a) jButton1 (clear) to clear the text written in both the jTextFields   [1]
    b) jButton2 (exit) to exit the running jFrame   [½]

6) Difference between :-   [2]
    a) jRadioButton and jCheckBox controls
    b) setText( ) and getText( )

7) a) Create a table named Employee having the following structure   [2]

ColumnName	Datatype	Size
ECcode	Int	5
EName	Varchar	20
Department	Varchar	20
Sal	Float	10,2

Ensure the following constraints:
    i) ECode should be primary key.
    ii) EName should not be blank.
    iii) The Salary should have default value 7000

b) Write SQL command for the following :- [2]
   i) Add a column named Qualification having the datatype char(30)
   ii) Rename the column Sal to Salary
   iii) Change the size of field Department to Varchar(40)
   iv) Delete the column Qualification from the table

-x-x-x-x-x-x-