1. Multiple choice questions:

(i) The Boolean data type in Visual Basic has the storage capacity of:
(a) 1 byte  (b) 2 bytes
(c) 4 bytes  (d) 8 bytes

(ii) The extension of Visual Basic project file is:
(a) .vbs  (b) .prj
(c) .vbp  (d) .vpb

(iii) Which of the following is not a property of a Text box?
(a) Caption  (b) Visible
(c) Font  (d) Maxlength

(iv) The window in which the related items are listed together in the form of a tree listing is:
(a) Form  (b) Form Layout
(c) Properties  (d) Project Explorer

(v) Which property is used to enter or store the values in the list box?
(a) MultiSelect  (b) List
(c) Items  (d) Style

(vi) This event is generated when a key is released.
(a) KeyPress  (b) KeyDown
(c) KeyMove  (d) KeyUp

(vii) Choose the valid variable name from the following:
(a) Address_1  (b) 1Address
(c) Address-1  (d) 123456

(viii) Which property determines whether the image is resized if the size of the Image box control is different from the picture loaded into it?
(a) Stretch  (b) Picture
(c) Size  (d) Width

(ix) The data on which operators work upon are called:
(a) Database  (b) Data Item
(c) Operand  (d) Identifier

(x) Which property can set the label control to horizontally expand and adjust to the size of its contents?
(a) Multiline  (b) Resize
(c) Autosize  (d) Adjust
1. **Multiple choice questions**

   (i) The DATE data type in Visual Basic has the size of:
       (a) 1 byte
       (b) 2 bytes
       (c) 4 bytes
       (d) 8 bytes

   (ii) Which property is used to enter or store the values in the list box?
       (a) MultiSelect
       (b) List
       (c) Items
       (d) Style

   (iii) The data on which operators work upon are called:
       (a) Database
       (b) Data Item
       (c) Operand
       (d) Identifier

   (iv) Which property of a Text box is used to specify the text to be displayed?
       (a) Caption
       (b) Name
       (c) Text
       (d) Font

   (v) Choose the valid variable name from the following:
       (a) 1Address
       (b) Address-1
       (c) 100000
       (d) Address_1

   (vi) Which of the following is an example of selection statement?
       (a) For...Next
       (b) While...Wend
       (c) If...Then
       (d) For...Till

   (vii) The component that contains the tools we use to draw controls on form is:
       (a) ToolBar
       (b) Tools Menu
       (c) Toolbox
       (d) Menu Bar

   (viii) To get the code editor window, the function key used is:
       (a) F5
       (b) F6
       (c) F7
       (d) F8

   (ix) The window in which the related items are listed together in the form of a tree listing is:
       (a) Form
       (b) Form Layout
       (c) Properties
       (d) Project Explorer

   (x) The extension of Visual Basic Form file is:
       (a) .frm
       (b) .frs
       (c) .frm
       (d) .vbf
1. Multiple choice questions:
   
   (i) The BYTE data type in Visual Basic has the storage capacity of:
       (a) 1 byte       (b) 2 bytes
       (c) 4 bytes       (d) 8 bytes
   
   (ii) To execute the Project, the function key used is:
       (a) F5            (b) F6
       (c) F7            (d) F8
   
   (iii) The property used to enter or store the values in the list box is:
       (a) MultiSelect  (b) List
       (c) Items        (d) Style
   
   (iv) This event is generated when a key is released.
       (a) KeyPress     (b) KeyDown
       (c) KeyMove      (d) KeyUp
   
   (v) The statement used to declare a variable is:
       (a) Declare      (b) Dec
       (c) Dim          (d) Let
   
   (vi) The property of a Text box that is used to specify the text to be displayed:
       (a) Caption   (b) Name
       (c) Text      (d) Font
   
   (vii) Choose the valid variable name from the following:
       (a) 1Name       (b) 12345
       (c) Name_1      (d) Name-1
   
   (viii) Which of the following is an example of selection statement?
       (a) For...Next  (b) While...Wend
       (c) If...Then   (d) For...Till
   
   (ix) The component that contains the tools we use to draw controls on form is:
       (a) ToolBar     (b) Tools Menu
       (c) Toolbox     (d) Menu Bar
   
   (x) The extension of Visual Basic project file is:
       (a) .vbs       (b) .prj
       (c) .vbp       (d) .vpb
APEEJAY COMMON EXAMINATION, 2012
CLASS – VIII
COMPUTER SCIENCE
SUMMATIVE ASSESSMENT II

TIME ALLOWED : 1 Hr. 15 Mln.  
MAXIMUM MARKS : 40

General Instructions :
This question paper consists of 12 questions and all questions are compulsory.

1. Answer the following short questions : (1 x 6 = 6)
   (a) Name the control which remains invisible at run time.
   (b) Which property changes the state of the form at run time?
   (c) Which window helps in aligning multiple forms present in an application?
   (d) Name any container control.
   (e) What is the keyboard shortcut to close Visual Basic?
   (f) Give Visual Basic statement to hide the form frmEmployee.

2. Differentiate between the following: (mention atleast 2 points) (2 x 3 = 6)
   (a) Check box and Option button
   (b) Variable and Constant
   (c) Enabled and Visible property

3. Explain Event driven programming. (2)

4. Which two properties of a Data Control are required to set in order to access the values from the database table? Explain them. (2)

5. Give two reasons why an application may not run. (2)


7. Identify the Properties, Methods and Events from the following: (1/2 x 6 = 3)
   (a) Caption
   (b) Load
   (c) Click
   (d) SetFocus
   (e) MaxLength
   (f) AutoSize

8. Predict the output of the following: (2 x 2 = 4)
   (a) Private Sub Command1_Click()
       i = 4
       While i < 12
       ...
(b) Private Sub Command1_Click()
    For X = 0 To 6 Step 2
        Y = X + 5
        Print X; Y
    Next X
End Sub

9. Write an event procedure on the click event of a command button 'cmdAge' to accept Age from the user and display whether the user is eligible to vote or not.  

10. Write an event procedure on the click event of a command button 'cmdSum' to display the sum of first 20 odd numbers.  

11. Write an event procedure on the click event of a command button 'cmdSeries' to generate the following series:
    \[
    4 \quad 16 \quad 36 \quad 64 \quad 100
    \]

12. Write an event procedure on the click event of a command button 'cmdGrade' to accept Marks from the user and display Grade in the textbox 'txtGrade' as per the following criteria:

<table>
<thead>
<tr>
<th>Marks</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 90</td>
<td>A+</td>
</tr>
<tr>
<td>75 - 89</td>
<td>A</td>
</tr>
<tr>
<td>60 - 74</td>
<td>B+</td>
</tr>
<tr>
<td>50 - 59</td>
<td>B</td>
</tr>
<tr>
<td>&lt; 50</td>
<td>C</td>
</tr>
</tbody>
</table>