

**Second Year B.C.A. Sem - II Examination**  
**Paper - 15BCA209**  
**Visual Basic .Net**

Time : Three hours]

[Full Marks - 60

- 
- N.B. :**
- i) All questions carry equal marks
  - ii) Due credit will be given to neatness & adequate dimensions.
  - iii) Assume suitable data wherever necessary.
  - iv) Illustrate your answer with the help of neat sketches.
  - v) Use Blue/Black ink/refill only for writing the answer book.

Q.1 Select the correct alternatives and rewrite the following statements. 5

- i) Which is not a main component of visual studio IDE ?
  - a) Solution Explorer      b) Tool Bar
  - c) Start Menu              d) Properties Windows
- ii) Which function display the Pop-up window ?
  - a) MsgBox( )              b) InputBox( )
  - c) TextBox( )              d) Both a) and b)
- iii) Which of the following is a part of the object ?
  - a) Method                  b) Properties
  - c) Instance                  d) Both a) and b)
- iv) How many RadioButton in a group can be selected at the same time ?
  - a) 0                              b) 1
  - c) 2                              d) 3
- v) Which is the property from the following related with DataGridView control ?
  - a) Data Member              b) Data Source
  - c) Data Query                  d) Both a) and b)

- Q.2 a) Draw and explain the architecture of 4.0 NET Frame work. 6  
 b) What is mean by variable ? How it is declared and initialised explain it with example ? 5

OR

- Q.3 a) Explain the programming structure of VB.net with example. 5  
 b) Explain following : 6  
 i) Solution Explorer  
 ii) Properties Window

- Q.4 a) Explain the following statements with their syntax and example. 6  
 i) If...then  
 ii) Select case  
 b) Write a program in VB.net to print reverse of input number using while loop. 5

OR

- Q.5 a) Explain any four string manipulation function with their syntax and example. 6  
 b) Write a program in VB.net to print the following series by using for - next. 5  
 0 1 1 2 3 5 8 ..... N.

- Q.6 a) Explain the concept of class and objects with example in VB.net. 6  
 b) Write a program in VB.net to demonstrate constructor overloading in VB.net. 5

OR

- Q.7 a) Explain the various access modifier used in VB.net with example. 5  
 b) Write a program in VB.net to demonstrate method overloading. 6

- Q.8 a) State and explain built - in dialog boxes used in VB.net. 6  
 b) Explain the following controls with its properties, methods and events. 5  
 i) Textbox ii) Button

OR

- Q.9 a) What is mean by form ? Explain their properties, methods and events. 6  
 b) Write a program in VB.net for developing windows application for addition of two numbers using textbox, label and command button. 5

- Q.10 a) Draw and explain architecture of ADO.net. 6  
 b) Explain GridView control. For the database connectivity using VB.net. 5

OR

- Q.11 a) Write a program to delete a record from database using VB.net. 5  
 b) Explain the data provider with example using VB.net. 6

\*\*\*\*\*