

Seat No. : _____

MB-105

March-2019

B.C.A., Sem.-V

CC-302 : Advanced Visual and Windows Programming

Time : 2:30 Hours]

[Max. Marks : 70

- Instructions :**
- (1) All questions are compulsory.
 - (2) Figure to the right indicates full marks.
 - (3) Start each question from new page.

1. (A) Answer the following questions :

- (1) What is Inheritance ? What is the use of it ? Explain Inheritance with an example. 7
- (2) What is Property procedure ? Explain it in detail. 7

OR

Answer the following questions :

- (1) What is Abstract class ? What is the use of it ? Explain it with an example.
- (2) What is shared property and shared method ? Explain it with an example of each.

(B) State following statements are TRUE/FALSE (Any **Four**) : 4

- (1) In VB.NET constructor have same name as class name.
- (2) Read only property do not have GET section.
- (3) Abstract class has to be defined with 'Must Inherit' keyword.
- (4) To invoke the method of Parent class, 'MyBase' keyword is used by child class.
- (5) Function overloading is a kind of inheritance.
- (6) If base and derived class have same methods then it is called function overriding.

2. (A) Do as directed :

- (1) Write a short note on a TreeView control. 7
- (2) Discuss DateTimePicker control in detail. 7

OR

- (1) Write a short note on RichTextBox control.
- (2) Discuss Timer control in detail ?

- (B) Explain following properties (Any **Four**) : 4
- (1) Orientation (Trackbar)
 - (2) LargeChange (Scrollbar)
 - (3) Interval (Timer)
 - (4) HotTracking (TreeView)
 - (5) SelectionFont (RichText Box)
 - (6) Format (DateTimePicker)
3. (A) Do as directed :
- (1) Write a short note on FileStream class. 7
 - (2) What is ArrayList ? How it differs from an Array ? 7
- OR**
- Answer the following questions :
- (1) Write a short note on StreamReader class.
 - (2) What is StringBuilder ? How it differs from a String class.
- (B) Fill in the blanks (Any **Three**) : 3
- (1) In _____ collection elements are accessed by its key rather than its index number.
 - (2) _____ is heterogeneous collection.
 - (3) _____ method is used to search an element from an array.
 - (4) _____ method of a directory class return Boolean value depends on specified directory is present or not.
 - (5) _____ method of FileStream class is used to set pointer to particular position in the file.
4. (A) Do as directed :
- (1) Write a short note on connection object of ADO.NET. 7
 - (2) What is the use of DataAdapter ? List and explain properties and methods of it. 7
- OR**
- Do as directed :
- (1) Write short note on Command object of ADO.NET.
 - (2) What is DataSet ? How it differs from DataReader ?
- (B) Match the following (Any **Three**) : 3
- | | |
|-----------------|-------------------|
| (1) Connection | (a) Fill |
| (2) DataAdapter | (b) Tabels(index) |
| (3) DataSet | (c) State |
| (4) Command | (d) Items(index) |
| (5) DataReader | (e) ExecuteScalar |