

**Time : 2 ½ Hours]****[Total Marks : 70**

1. Attempt following MCQs :

**20**

- (1) Which of the following is not the visual studio edition ?
  - (a) Visual studio Express
  - (b) Visual studio Professional
  - (c) Visual studio Premium
  - (d) Visual studio Profession
- (2) Which of the following is tools of visual studio IDE ?
  - (a) Class View
  - (b) Document Explorer
  - (c) Only (a)
  - (d) Both (a) and (b)
- (3) A structure is :
  - (a) can be inherit other structure
  - (b) can be used as base for other structure
  - (c) a value type
  - (d) all of above
- (4) Which of the following is CTS type of float data type ?
  - (a) System.Float
  - (b) System.Single
  - (c) System.Int32
  - (d) System.UInt32
- (5) If no exception occurred inside the try block, the control directly transfer to :
  - (a) Catch block
  - (b) Main()
  - (c) Finally
  - (d) (a) or (b)
- (6) Which keyword is used to define indexer ?
  - (a) This
  - (b) Value
  - (c) Get
  - (d) Set
- (7) Which modifier is used to restrict the inheritance feature ?
  - (a) Private
  - (b) Internal
  - (c) Sealed
  - (d) Protected

- (8) When we use an unsafe context that means :
- (a) A type may be a pointer type
  - (b) A type may be value type
  - (c) A type may be a reference type
  - (d) All of above
- (9) A delegate is :
- (a) A value type object
  - (b) A reference type object
  - (c) Only (a)
  - (d) Both (a) and (b)
- (10) Events are declared by using :
- (a) Pointer
  - (b) Interface
  - (c) Thread
  - (d) Delegate
- (11) In threading, which type of thread will be terminate automatically ?
- (a) Synchronized thread
  - (b) Foreground thread
  - (c) Background thread
  - (d) All of above
- (12) Which of the following collection has key/value pairs ?
- (a) Arraylist
  - (b) Bitarray
  - (c) Hash table
  - (d) Stack
- (13) Which property of Bitarray is used to sets or obtain the number of bits in collection ?
- (a) Length
  - (b) Count
  - (c) Bits
  - (d) None of these
- (14) Which of the following is not mouse event ?
- (a) mouseEnter
  - (b) mouseHover
  - (c) mouseMoved
  - (d) mouseWheel
- (15) In which sequence the key events are occurred ?
- (a) keyDown, keyUp, keyPress
  - (b) keyDown, keyPress, keyUp
  - (c) keyPress, keyUp, keyDown
  - (d) None of above
- (16) Which property of TabControl is used to change their appearance when mouse passes over it ?
- (a) Draw Mode
  - (b) Hot Track
  - (c) Appearance
  - (d) Alignment
- (17) Which property of Tool tip control is used to display tool tip for an inactive control ?
- (a) Show
  - (b) Show Always
  - (c) Show Always
  - (d) All of above

- (18) What are possible values of style property of Progress Bar control ?
- (a) Blocks (b) Continuous  
(c) Marquee (d) All of above
- (19) Which method of OleDbDataReader object is used to move to next row ?
- (a) Read () (b) Read Next ()  
(c) Read Row () (d) None of the above
- (20) Which object is not a part of .Net Data Provider ?
- (a) Connection (b) Command  
(c) Adapter (d) Data Reader

2. (A) Attempt the following : (any **three**)

6

- (1) Define shield class.
- (2) What is pointer ?
- (3) What is delegate ?
- (4) What is thread ?
- (5) What is collection ?
- (6) What is namespace ?

(B) Attempt the following : (any **three**)

9

- (1) Explain various data types in C#.
- (2) Explain try and catch.
- (3) Explain overloading of indexer.
- (4) Explain multicast delegate.
- (5) Explain thread synchronization.
- (6) Explain sortedlist collection with methods.

(C) Attempt the following : (any **two**)

10

- (1) Explain visual studio IDE.
- (2) Explain implementation an interface with suitable example.
- (3) Explain creation of an event with suitable example.
- (4) Explain Bitarray with properties and methods.
- (5) Explain Generic list with suitable properties and methods.

3. (A) Attempt the following : (any **three**)

6

- (1) Define Reflection.
- (2) Define LINQ.
- (3) What is connection ?
- (4) What is Array ?
- (5) Define Data Reader.
- (6) What is event ?

(B) Attempt the following : (any **three**)

9

- (1) Explain Text Box.
- (2) Explain Timer.
- (3) Explain Progress Bar.
- (4) Explain Panel.
- (5) Explain Notify Icon.
- (6) Explain List View.

(C) Attempt the following : (any **two**)

10

- (1) Explain data table with suitable example.
- (2) Explain Data Grid View Control with properties and methods.
- (3) Write a program to navigate (first, last, previous, next) student (roll no, name, city) information.
- (4) Write a program to insert a record in emp (emp no, emp name, salary) table.
- (5) Write a program to enter roll no of a student (roll no, name, city) in text box and related records displayed in Grid View Control by pressing search button.