BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) Examination

BCA (2019) SEM 4 - April - 2023

CS-20 PROGRAMMING WITH C#

Faculty Code :003

Subject Code : 0032034002

Time : 2.5Hours]

[Total Marks : 70

1 (a) Attempt the following :   **4**

1   Full form of CLR.

2   Array of Array is called _____array.

3   _____keyword is used to include namespaces.

4   Full form of FCL.

(b) Attempt any one :   **2**

1   Explain Foreach loop with example.

2   List types of project in IDE.

(c) Attempt any one :   **3**

1   What are Boxing and Unboxing?

2   Explain if statement with syntax and example.

(d) Attempt any one :   **5**

1   Explain Architecture of .Net framework.

2   Explain data types in details.

2 (a) Attempt the following :   **4**

1   _____class will prevent inheritance.

2   _____method is used to add value to the end of the Queue.

3   We can use memory through pointer using_____keyword.

4   Which operator is used to add another delegate to multicast delegate?

(b) Attempt any one :   **2**

1   Give the syntax for to define sealed class.

2   What is method overloading?

(c) Attempt any one :   3
1   What is Delegate? Give an Example.
2   Differentiate : Ref v/s Out.

(d) Attempt any one :   5
1   What is collection? Explain any one Collection class in details.
2   Explain single and multicast Delegate with example.

3   (a) Attempt the following :   4
1   Default value of interval property of timer is_____.
2   _____id default property of textbox control.
3   MDI Stand for_____.
4   _____ is default event of timer control.

(b) Attempt any one :   2
1   Difference: TextBox v/s RichTextBox
2   List out property of Button Control.

(c) Attempt any one :   3
1   Explain SaveFileDialog with example.
2   Explain Picture Box control.

(d)Attempt any one :   5
1   Explain MessageBox class with all types of show() method.
2   Explain RadioButton and Checkbox controls with example.

4   (a) Attempt the following :   4
1   ADO stand for_____
2   DataReader is a Disconnected Architecture component,(TURUE / FALSE)
3   Toconnect with sqlserver _____ namespace is used.
4   Fill method is used with DataReader. (TRUE / FALSE)

(b) Attempt any one :   2
1   Explain command object.
2   What is Data Table?

(c) Attempt any one :   3
1   Explain DataReader with example.
2   Difference between ExecuteNonQuery() and ExecuteScalar().

(d) Attempt any one :   5

1   Explain the Architecture of ADO.Net.
2   Explain connection and DataAdapter object in details.

5   (a) Attempt the following :   4

1   _____control is used on form to view the crystal Report.
2   By default, How many sections are provided in crystal Report?
3   _____field of crystal report is used to create Formula.
4   Drop Down is a type of crystal Report. (TRUE / FALSE)

(b) Attempt any one :   2

1   List out types of Reports.
2   Write the name of any four Special Fields of Crystal Report.

(c) Attempt any one :   3

1   Explain types of setup Projects.
2   Explain summery field in crystal Report.

(d) Attempt any one :   5

1   Explain types of reports in details.
2   Write a steps to create crystal Report.