B. C. A. (Sem. IV) (CBCS) (W.I.F. 2016) Examination

March / April – 2019

CS - 20 : Programming With C#

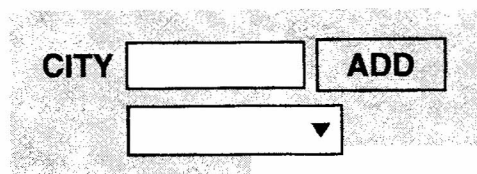**Faculty Code : 003**

Subject Code : 00340800

Time : $2\frac{1}{2}$ Hours]　　　　　　　　　　　　　[Total Marks : **70**

1　(a)　Attempt the following questions.　　　　　　　　**4**

(1)　Full form of JIT is _____.

(2)　Full form of CTS is _____.

(3)　Full form of IDE is _____.

(4)　Full form of FCL is _____.

(b)　Answer in brief : (any **one** out of two)　　　　　　**2**

(1)　List types of project in IDE.

(2)　Give the definition of jagged array with syntax.

(c)　Answer in detail : (any **one** out of two)　　　　　　**3**

(1)　Explain component of IDE.

(2)　Explain if statement with syntax and example.

(d)　Write a note on : (any **one** out of two)　　　　　　**5**

(1)　Explain for and while loop with syntax and example.

(2)　Explain data types in detail.

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

(1)　_____ method is used to add element in Hashtable.

(2)　_____ method is used to remove and return element in Stack.

(3)　_____ known as smart fields.

(4)　_____ class will prevent inheritance.

(b) Answer in brief : (any **one** out of two)   2

    (1) What is method overloading ?

    (2) Give the syntax for to define sealed class.

(c) Answer in detail : (any **one** out of two)   3

    (1) Explain "ref" and "out" parameters for methods.

    (2) Explain property with example.

(d) Write a note on : (any **one** out of two)   5

    (1) Explain single and multicast Delegate with example.

    (2) Explain pointer with example.

3 (a) Attempt the following questions :   4

    (1) Form is _____ type of control.

    (2) _____ is default event of button.

    (3) _____ is default property of textbox.

    (4) Default value of interval property of timer is _____.

(b) Answer in brief : (any **one** out of two)   2

    (1) List out events of form.

    (2) List out property of button.

(c) Answer in detail : (any **one** out of two)   3

    (1) Explain SaveFileDialog with example.

    (2) Explain OpenFileDialog with example.

(d) Write a note on : (Any **one** out of two)   5

    (1) Explain radiobutton and checkbox with example.

    (2) Write a program for following. (When user click on ADD button duplicate city cannot be inserted)

CITY [_____] [**ADD**]

[_____ ▼]

4 (a) Attempt the following questions : 4

    (1) For to check connection state _____ property of connection is used.

    (2) For to connect with sqlserver _____ namespace is used.

    (3) _____ method is used to close the connection.

    (4) Full form of ADO is _____.

(b) Answer in brief : (any **one** out of two) 2

    (1) Explain DataColumn class.

    (2) Draw the figure of Architecture of ADO.NET.

(c) Answer in detail : (any **one** out of two) 3

    (1) Explain DataTable class with example.

    (2) Explain Command object with example.

(d) Write a note on : (any **one** out of two) 5

    (1) Explain Connection and DataAdapter object in detail.

    (2) Give the difference between connected v/s disconnected architecture.

5 (a) Attempt the following questions : 4

    (1) _____ is the extension of user control file.

    (2) _____ event will occur whenever the user control loads.

    (3) Section 1 for crystal report includes _____.

    (4) Section 3 for crystal report includes _____.

(b) Answer in brief : (any **one** out of two)   2

    (1) List out types of reports.

    (2) List out types of setup projects.

(c) Answer in detail : (any **one** out of two)   3

    (1) Explain summary field in crystal report.

    (2) Explain formula field in crystal report.

(d) Write a note on : (any **one** out of two)   5

    (1) Explain all sections of crystal report in detail.

    (2) Explain user control in c# windows programming.