B. C. A. (Sem. IV) (CBCS) Examination

April / May - 2016

CS-20 : Programming with C#

Faculty Code : 003
Subject Code : 003408

Time : $2\frac{1}{2}$ Hours]

[Total Marks : **70**

SECTION - I

1   MCQ :   **20**

(1) Which of the following is a reserved keyword in c#?
   (A) abstract   (B) as
   (C) foreach   (D) All of above

(2) What is the return type of constructors?
   (A) int   (B) float
   (C) void   (D) None of above

(3) _____ is a collection of classes.
   (A) Class   (B) Partial class
   (C) Namespace   (D) Interface

(4) In the following, which is also called variable sized array?
   (A) Jagged array   (B) Param array
   (C) BitArray   (D) None of above

(5) _____ is never inherited or overloaded.
   (A) Interface   (B) Destructor
   (C) Member function   (D) get( )

(6) In the following, which class is not be a base class of any child class?
   (A) abstract   (B) sealed
   (C) static   (D) both (B) and (C)

(7) In the following, which is same like pointer to function in c/c++?
   (A) events   (B) delegate
   (C) enum   (D) set( )

(8) In the following, which is not a class of collections ?
   (A) Inheritance   (B) ArrayList
   (C) Hashtable   (D) Queue

(9) All exceptions are directly or indirectly inherited from _____ class.
   (A) Data   (B) Forms
   (C) Exception   (D) None of above

(10) In the following, which is not the objects of Data provider in ADO.Net?

    (A) Command   (B) DataProvider

    (C) Connection   (D) DataAdapter

(11) Which of the following as an bridge between Dataset and Database?

    (A) DataBind   (B) DataConnector

    (C) DataAdapter   (D) DataCollect

(12) CIL stands for _____.

    (A) Common Intermediate Language

    (B) Common Interpret Language

    (C) Common Internal Language

    (D) Control Intermediate Language

(13) _____ is a smart compiler.

    (A) CIL   (B) JIT

    (C) MSIL   (D) CTS

(14) Which method is used to display message with messagebox?

    (A) show( )   (B) WriteLine( )

    (C) Write   (D) Printo

(15) In the following, which keyword is used to define Indexer ?

    (A) set   (B) get

    (C) this   (D) None of above

(16) Structure cannot contain _____ type values.

    (A) Value   (B) Reference

    (C) Object   (D) All of above

(17) Which of the following is a component of system.windows.form namespace?

    (A) Method   (B) Property

    (C) Control   (D) Value

(18) _____ is not belongs to System.Windows.Forms namespace.

    (A) Tools   (B) Container

    (C) Component   (D) Control

(19) How many types of dialogbox are there?

    (A) 4   (B) 5

    (C) 2   (D) 1

(20) Which of the following has clear method?

    (A) Array class   (B) ArrayList class

    (C) Both (A) and (B)   (D) None of above

SECTION - II

2 (a) Attempt any three : 6
   (1) Define the term :- DataRow, DataTable, Namespace.
   (2) Differentiate :- TextBox V/s RichTextBox.
   (3) Differentiate :- DataAdapter V/s DataReader.
   (4) Explain Console class with two methods.
   (5) Define the term :- Boxing, UnBoxing, DataSet.
   (6) What is MDI form? Explain.

   (b) Attempt any three : 9
   (1) Write a note on collection.
   (2) What is Jagged Array? Explain with suitable example.
   (3) Explain any three methods of BitArray class.
   (4) What is the use of multicast delegations? Explain.
   (5) Write a note on sealed class.
   (6) What is the use of Indexer? Explain with suitable example.

   (c) Attempt any two : 10
   (1) Explain Architecture of ADO.Net.
   (2) Explain Visual Studio IDE.
   (3) What is ArrayList class? Explain three methods.
   (4) Explain FontDialogBox and OpenFileDialogBox with example.
   (5) Explain DataGridView control with suitable example.

3 (a) Attempt any three :- 6
   (1) Define the term:- JIT, LINQ, Panel.
   (2) Explain TreeView, Timer, ProgressBar with suitable example.
   (3) Explain Form and its properties.
   (4) Describe :- Pointer with unsafe keyword.
   (5) What is sealed class? Explain.
   (6) Explain the term - GroupBox, Panel.

   (b) Attempt any three : 9
   (1) Write a note on features and advantages of Visual Studio.
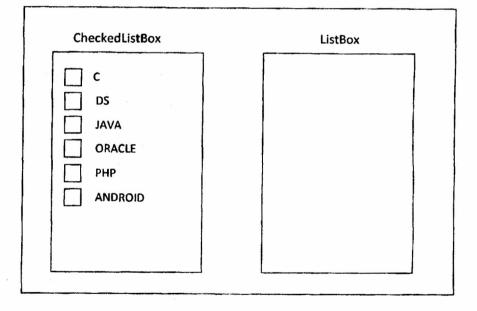   (2) What is the use of Interface? Explain with suitable example.

(3) Write a note on Crystal Report.

(4) Write a code to display details of student table having fields s_no, sname, city using DataReader.

(5) Write an example to use the MessageBox with show( ) Method.

(6) Write a note on MenuStrip and ContextMenuStrip.

(c) Attempt any two :   **10**

(1) Write a code for performing search operation on the employee table which has fields empno, ename and salary. Display only those employees whose salary is greater than 5000.

(2) Write a note on Components of .Net Architecture.

(3) Write a code for performing multiple inheritance.

(4) Differentiate:- Connected data architecture v/s Disconnected data architecture.

(5) Create a form having one CheckedListBox and one ListBox. Check any option in checkedlistbox then the selected item will be displayed in the listbox. And also when we deselect any option from the checkedlistbox then the item should be remove from the listbox.