**PGDCA SEMESTER -2 (PRELIMS EXAM)**

**PROGRAMMING WITH C#.Net**

**MARKS: 70 TIME: 2 ½ HOURS**

**Q.1 (A) Answer the following. [04]**

1. List out different visual studio Editions.
2. Give Defination of Namespace.
3. What is Variable?
4. Give Meaning of Struct Keyword.

**Q-1 (B) Answer in brief. (ANY ONE) [02]**

1. What is Array?Explain Jagged array with proper example.

2. List out different looping Statement and explain One loop with Example.

**Q-1 (C) Answer in detail. (ANY ONE) [03]**

1. Explain Exception Handling using Try , Catch and Finally Keyword.

2. Explain any three Data types.

**Q-1 (D) Answer the Following (ANY ONE) [05]**

1. Explain IDE of Visual Studio.

2. List out different decision statement and explain Switch..Case with Example.

**Q.2 (A) Answer the following. [04]**

1. What is Abstract Class?
2. WHAT IS METADATA?
3. Give Defination of Indexer.
4. What is Inheritance?

**Q-2 (B) Answer in brief. (ANY ONE) [02]**

1. Explain Pointer to Array in Brief.

2. Explain Sealed Class.

**Q-2 (C). Answer in detail. (ANY ONE) [03]**

1.Explain Operator Overloading with Suitable Example?

2.Shortly Explain Interface with inheriting interface.

**Q-2 (D) Answer the Following (ANY ONE) [05]**

1. What is Delegates? Explain Multicast delegate with example.

2. Explain Event with Chaining and Firing Events.

**Q.3 (A) Answer the following. [04]**

1. What is Multithreading?

2. What is Thread Class?

3. Give definition of Process.

4. List out different Thread Priority.

**Q-3 (B) Answer in brief. (ANY ONE) [02]**

1.Briefly Explain Thread Syncronization.

2.Give Difference between Process and Thread.

**Q-3 (C). Answer in detail. (ANY ONE) [03]**

1. What is Reflection? Why we need Reflection?

2. Give difference between Array and Arraylist.

**Q-3 (D) Answer the Following (ANY ONE) [05]**

1. What is Collection? Explain HashTable,BitArray,Sorted List,Stack.

2. What is Generics? Explain Generic Stack,Generic Queue,Hash Set and Generic List.

**Q-4 (A) Answer the following. [04]**

1. List out different DialogBoxes.

2. Default Event of Textbox control is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Use of Show().

4. What is default event of Timer Control?

**Q-4 (B) Answer in brief. (ANY ONE) [02]** 1. Explain Messagebox with suitable Example.

2. Explain Progressbar control in brief.

**Q-4 (C). Answer in detail. (ANY ONE) [03]**

1. Give difference between Groupbox and panel.

2. Give difference between Checkbox and Radiobutton.

**Q-4 (D) Answer the Following. (ANY ONE) [05]**

1.Explain CheckedListbox , RichTextbox , NotifyIcon.

2.Explain Tooltip , Imagelist and Treeview.

**Q.5 (A) Answer the following. [04]**

1. What is Connection String ? Write down use of it.

2. Give Full form of ADO.

3. List out different Data Provider.

4. Which Method is used to display data using Data Adapter Class?

**Q-5 (B) Answer in brief. (ANY ONE) [02]** 1. Explain Data row **or** Data column.

2. Give Difference between Dataset and DataReader.

**Q-5 (C). Answer in detail. (ANY ONE) [03]**

1. What is LINQ ? Explain LINQ to Dataset.

2. Explain Data Gridview control with suitable example.

**Q-5 (D) Answer the Following (ANY ONE) [05]**

1. Create window application to insert and delete particular record for following table.

(Table :- Emp

(Fields :- Eno int , Enm nchar(20) , sal int , job nchar(20))

2. Give difference between Connected and Disconnected Architecture.

**ALL THE BEST**