

2111040102030002
EXAMINATION MARCH-APRIL 2024
MASTER OF COMPUTER APPLICATION
(SECOND SEMESTER)
PROGRAMMING IN .NET (COURSE-203)- LEVEL 3

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **MASTER OF COMPUTER APPLICATION (SECOND SEMESTER)**
 - b. Name of the Subject : **PROGRAMMING IN .NET (COURSE-203) - LEVEL 3**
 - c. Subject Code No : **2111040102030002**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Do as directed: 14

- A) List out various types of collections in C#. Compare any two in detail with Example. **6**
- B) What is Property type in C#? How is it useful and different from other Types? **5**

OR

- B) Explain .NET Framework architecture in detail. **5**
- C) Explain difference between C# Public and Internal modifiers. **3**

Q.2 Do as directed: 14

- A) What is interface? Why should we use it? Explain its implementation and Limitations with suitable examples. **7**
- B) Why priority of catch block is important during exception handling? Explain With reference to C# example. **5**

OR

B) Explain call of constructors at the time of creating instance of a child class
In multilevel inheritance by giving C# example. **5**

C) Explain boxing and unboxing with example. **2**

Q.3 Do as directed: **14**

A. Write a sample code to transfer selected data from a list box to a combo
Box. Also show Win form design and events. **6**

B. Explain architecture of DataSet in detail with example. **5**

OR

C. Write a note on MDI application creation and management. **5**

C. List out any five Button Control events and explain any one in detail. **3**

Q.4 Do as directed: **14**

A. List out various menu controls. Explain any two in detail. **7**

OR

A. Write a detail note on Delegate type in C#. **7**

B. Explain with suitable example Modal and Modeless dialog boxes. **5**

C. What is the purpose of final in class creation? **2**

Q.5 Do as directed: **14**

A. Write a note on advantages of LINQ over traditional programming. **6**

OR

A. Explain structure of LINQ query pattern in detail. **6**

- B. Write sample code and explain data insertion in a table using ADO.NET. **5**
- C. Explain save file dialog box. **3**
