QP CODE: 24802799

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Reg No : .....

Name : .....

I.M.C.A DEGREE EXAMINATION, APRIL 2024

Third Semester

Faculty of Technology and Applied Sciences

Integrated MCA

Core - IMCA3C05 - VISUAL PROGRAMMING(C#.NET)

2020 Admission Onwards

53E79C91

Time: 3 Hours Maximum: 75 Marks

Part A

*Answer any **ten** questions*

*Each question carries **3** marks*

1. Write a C# program to find whether a number is an armstrong number.
2. Explain comments in C#.
3. Write a C# program to input 2 values and find the area of square and rectangle.
4. What are static methods? Explain with an example program.
5. Write a C# program to demonstrate copying, searching and inserting strings.
6. Discuss mutable strings with an example program.
7. Discuss the various member access modifiers of a class.
8. What is a destructor? Explain with an example.
9. What are multicast delegates? Explain with an example program.
10. Compare between Groupbox and Listbox control.
11. Explain the SQL query used for inserting and updating data to a Table.
12. Explain about any three properties of server controls.

(10×3=30 marks)

Part B

*Answer **all** questions*

*Each question carries **9** marks*

13. a) Write a C# program to find the greatest age of 3 persons.

OR

b) Write a C# program to input values to generate a student's registration details.

14. a) Explain boxing and unboxing in C# with example programs.

OR

b) Explain pass by value and pass by reference used in method parameters with an example program.

15. a) Explain about this reference used in C#. Write an example program to demonstrate the usage of this reference.

OR

b) Discuss about explicit interfaces with an example program.

16. a) Explain how to create a windows application program with neat diagram.

OR

b) Explain Steps to follow for adding MenuStrip control with neat diagram

17. a) Explain in detail about ASP.Net serverside object model. Write an example.

OR

b) Explain how to create the first ASP.Net page.

(5×9=45 marks)