LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIFTH SEMESTER – **NOVEMBER 2022**

UCA 5503 – VISUAL PROGRAMMING

Date: 25-11-2022   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

PART- A

ANSWER ALL THE QUESTIONS: **(10×2=20 Marks)**

1. Write any two features of .NET.
2. Define Literals.
3. What is the purpose of Destructor?
4. Define Jagged Arrays.
5. Write about Overriding.
6. What is Exception Handling?
7. Define Stream Class.
8. Write the purpose of Data Reader.
9. Mention any five web form Standard controls.
10. List out the Validation controls in ASP.NET.

PART- B

ANSWER ALL THE QUESTIONS: **(5×8=40 Marks)**

11. a. Explain about .Net framework architecture.

    (or)

    b. List and explain the Operators in C# with Example.

12. a. Demonstrate the importance of Constructors.

    (or)

    b. Compare One-dimensional array and Multidimensional array.

13. a. Explain about inheritance in detail.

    (or)

    b. Illustrate with an example to create employee record using structures.

14. a. Write the overview of ADO.NET.

    (or)

    b. Explain about Data controls and its properties.

15. a. Discuss about working with web form.

    (or)

    b. List and explain any three validation controls in ASP.NET with example

PART- C

ANSWER ANY TWO QUESTIONS: **(2×20=40 Marks)**

16.a. Discuss the data types and variables supported by the C# with example. **(10 Marks)**

   b. Explain the concept of Operator overloading with a suitable program. **(10 Marks)**

17.a. Elaborate on the Interface in detail. **(10 Marks)**

   b. Explain the database connectivity in ADO.NET with example. **(10 Marks)**

18. a. Explain about any five types of standard controls in ASP.NET with example. **(10 Marks)**

   b. Discuss about any five types of string handling functions with suitable example. **(10 Marks)**

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