

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**SIXTH SEMESTER INTEGRATED MCA DEGREE EXAMINATION (S), AUGUST 2023
(2020 SCHEME)****Course Code: 20IMCAT306****Course Name: Visual Programming****Max. Marks: 60****Duration: 3 Hours****PART A*****(Answer all questions. Each question carries 3 marks)***

1. Distinguish between module scope and namespace scope.
2. Comment on the object-oriented features available in .Net.
3. Differentiate constants and identifiers in .Net.
4. Design a form to collect employee details including basic salary. Write a program to calculate ta (5% of basic salary), da (10% of basic salary), pf (5% of basic salary) and net salary (basic salary + ta + da – pf).
5. With suitable example, discuss on optional arguments.
6. List out the various assignment operators used in VB.net
7. Explain the use of text box control with its properties and events.
8. Write a short note on dialog boxes.
9. Differentiate connection and command in .Net.
10. Write a short note on data table.

PART B***(Answer one full question from each module, each question carries 6 marks)*****MODULE I**

11. With suitable diagram, explain the components of CLR. (6)

OR

12. Write down the advantages of .Net framework and list out the supported applications of .Net. (6)

MODULE II

13. Define the term data type. Explain the various data types in VB.net. (6)

OR

14. Explain variables and its scope. (6)

MODULE III

15. Write note on various looping statements in VB.net. (6)

OR

16. Explain with the help of suitable example, differentiate the concept of pass by value and pass by reference. (6)

MODULE IV

17. Create an application to read two numbers using two text boxes and perform arithmetic operations (Addition, Subtraction, Multiplication, Division) based on button click. (6)

OR

18. Differentiate the following (6)
- i. Label and Textbox.
 - ii. RadioButton and CheckBox.
 - iii. ListBox and ComboBox.

MODULE V

19. Define menus in VB.net and explain the main properties of menu. Write down the steps to create menu application in VB.net. (6)

OR

20. Differentiate ADO and ADO.NET. (6)
