

**N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI**

**END-OF-SEMESTER EXAMINATIONS : MAY – 2024**

**B.Sc. – COMPUTER TECHNOLOGY**

**MAXIMUM MARKS: 70**

**SEMESTER : VI**

**TIME : 3 HOURS**

**PART – III**

**FRAMEWORK TECHNOLOGY**

**SECTION – A (10 X 1 = 10 MARKS)**

**ANSWER THE FOLLOWING QUESTIONS.**

**MULTIPLE CHOICE QUESTIONS.**

**(K1)**

1. An essential key component of the .Net architecture is \_\_\_\_\_  
a) Web Services    b) Security    c) Authentication    d) Language Translation
2. Which of the following is the string concatenation assignment operator?  
a) \*=    b) &=    c) +=    d) ++
3. \_\_\_\_\_ provide groups of related commands for windows applications.  
a) GUI    b) Tool box    c) Menus    d) Properties
4. Which of the following are wild card characters?  
a) # and \$    b) # and @    c) & and \*    d) \* and ?
5. \_\_\_\_\_ is a text file stored by web site on an individual's computer that allows to track the actions of the visitor.  
a) Name    b) Path    c) Cookies    d) Password

**ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.**

**(K2)**

6. What is the role of Sub and End Sub?
7. State the use of Message Box Icon Exclamation constant.
8. List the Event Arguments of Drop Down Style.
9. Describe Relational Database model.
10. State ECMA script.

**(CONTD .... 2)**

**SECTION – B****(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.****(K3)**

11. a) List and explain the commands in Visual Studio.Net Tool bar and menus in the Menu Bar.

**(OR)**

- b) Find the square root of a given number and display the result using a DialogBox.  
12. a) Print the powers of 2 using while structure.

**(OR)**

- b) Illustrate the elements of counter controlled repetition with example.  
13. a) Elucidate about the TextBox properties and events.

**(OR)**

- b) Create a VB program to change the font style by displaying different font options.  
14. a) Elucidate the basic SELECT query

**(OR)**

- b) Explain how to merge data from multiple tables  
15. a) Sketch the structure of 3-tier web-based application.

**(OR)**

- b) Discuss about the commonly used web controls

**SECTION – C****(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16<sup>th</sup> QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS (FROM Qn. No : 17 to 21))****(K4 (Or) K5)**

16. Demonstrate the steps to create, run and terminate the VB program with an example program  
17. Explain the if -then structure of VB with examples  
18. Develop a VB program to find the largest among 3 numbers using methods.  
19. Explain about arrays.  
Develop a program to VB program to compute the sum of the elements in the array.(3 + 7)  
20. Illustrate how the statements INSERT, DELETE and UPDATE are used in query processing.  
21. List and explain the steps to be followed to create an ASPX application.