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| **ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27** |
| **B.Sc– IV SEMESTER** |
| **SEMESTER EXAMINATION: APRIL 2018** |
| **CS 415 - Visual Programming** |
|  |  |  |  |  |  |
| **Time- 1 1/2 hrs** |  | **Max Marks-35** |
|  |  |  |  |  |  |
| **This paper contains two printed pages and two parts**(For supplementary candidates)Do not write the register number on the question paperPlease attach the question paper along with the answer script. |
|  |  |  |  |  |  |

**I.Answer ALL questions. 3\*5=15**

1. Explain any two IDE (Integrated Development Environment) Components.

2. Mention any three properties associated with the check box?

3. What is explicit and implicit declaration?

4. What is MDI?

5. What is a record set? Mention the different types of record set?

**II.Answer any FOUR questions. 5\*4=20**

6. Differentiate between passing arguments by value and by Reference. Create a function that swaps the value of two variables using pass By Ref technique.

7. Compare and Contrast between Msgbox () and Input Box ()

8. Explain any four visual basic controls in detail.

9. Why do you make a control to control arrays? Write a VB program to simulate a calculator using control arrays.

10. Write Purpose and syntax of the following:

 a. Radio Button

 b. Image Box

 c. Timer Control

11. Design a form in Visual Basic to calculate the total amount of Grocery Bill. Display

* Four labels for item names.
* Four text boxes for reading item quantity and
* Four text boxes for item rate.

CS-415-A-18

**P.T.O**

Write a program to calculate item amount and net amount. The format should be as given below:

|  |
| --- |
| **SHOPPING BILL** |
|
|   |  |  |  |  |  |  |  |   |
|   | **ITEM NAME** |  | **ITEM QUANTITY** |  | **ITEM RATE** |  | UNIT PRICE |   |
|   |  |  |  |  |  |  |  |   |
|   | Rice |  |   |  |   |  |   |   |
|   |  |  |  |  |  |  |  |   |
|   | Pulses |  |   |  |   |  |   |   |
|   |  |  |  |  |  |  |  |   |
|   | Tea leaves |  |   |  |   |  |   |   |
|   |  |  |  |  |  |  |  |   |
|   | Sugar |  |   |  |   |  |   |   |
|   |   |  |  |  |  |  |  |   |
|   |   |  | **CALCULATE** |  | NET AMOUNT |   |   |
|   |   |   |   |   |   |   |   |   |