

Roll No. ....

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## Paper ID [A0409]

(Please fill this Paper ID in OMR Sheet)

M.Sc. IT 204 (S05/New)/201(Old) (Sem. - 2<sup>nd</sup>)

### VISUAL BASIC PROGRAMMING

Time : 03 Hours

Maximum Marks : 75

#### Instruction to Candidates:

- 1) Section -A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

#### Section - A

(15 × 2 = 30)

**Q1)**

- a) Give the Advantage of Visual Basic over C and C++.
- b) What are the different data type are used in Visual Basic.
- c) Give the syntax of wend - while loop in Visual Basic.
- d) Give the code for displaying a alert box on screen with the message "Good Morning".
- e) Write a note Visual Basic Control tools.
- f) Write VB code for creating a pop-up menu.
- g) Why we need to set break points in VB? Give code for the same.
- h) What are various error handlers in Visual Basic?
- i) What is an Event procedure? Give a VB program of it.
- j) Give syntax for function declaration in visual basic.
- k) What are the various properties related to class module in Visual Basic.
- l) There is a command button named **cmdStart**. What is the name of the subroutine that runs when the user clicks this button?
- m) What are the different main objects in ADO model that support data related events?
- n) How we can create an Active X EXE component in Visual Basic?
- o) Give Visual basic code for setting a connection to a Data Source.

## Section - B

(9 × 5 = 45)

- Q2)** Explain the steps involved in development of Visual Basic project.
- Q3)** Write a Visual Basic converter program that converts a user entered either length or mass, or volume, etc. value to another unit of measurement (e.g. inch to centimeter, or pound to kilogram). The converter should be able to perform at least one type of conversion forward and backward (e.g. inch to centimeter and centimeter to inch).
- Q4)** Explain various Branch making statements in Visual Basic. Give syntax for each one.
- Q5)** Give Visual Basic code for frames. And also explain what are the various properties associated with it.
- Q6)** What is an Array? What are its characteristics? What is Dynamic Array, give example?
- Q7)** Given a file of marks in a subject, input them into an array; neatly display the array forwards and backwards. Find sum and average of the array, and find the smallest and largest values in the array.
- Q8)** Input numbers from and external file, pass numbers as arguments to a subroutine, add numbers, output total to immediate window.
- Q9)** Explain various types of errors that occur while programming in VB. How we handle these errors in VB environment.
- Q10)** Explain concept of object and class. How these are implemented in VB.
- Q11)** Explain the various ActiveX Components available in Visual basic. How an user can create his own Active X Component.
- Q12)** Explain how we can access the data from a data base in Visual basic.
- Q13)** There is a label named **lblResult** that has a property named Caption. There is a variable named x.
- (a) Write the statement that displays the value of x in the label's caption.
  - (b) Write the statement that displays the variable name x in the label's caption.

