









vi) What is the size of the variant data type ?

- a) 1024
- b) 255
- c) 256
- d) None of these.

vii) Dim *n* As Integer

If *n* = 0 Then

MsgBox ( "ZERO" )

Else

MagBox ( "EMPTY" )

End If

Output of the code segment is

- a) ZERO
- b) EMPTY
- c) Compile Error
- d) None of these.

viii) Dim *c*, *a* As Integer, *b* As Integer

*a* = 10

*b* = 3

*c* = *a* \ *b*

MsgBox ( *c* )

Output of the code segment is

- a) 3.3333333
- b) 3
- c) Compile Error
- d) None of these.

ix) Complexity of selection sort is

- a)  $O(n^2)$
- b)  $O(\log_2 n)$
- c)  $O(n)$
- d) None of these.

x) ADO is a/an

- a) method
- b) object model
- c) inbuilt function
- d) all of these.

**GROUP – B****( Short Answer Type Questions )**Answer any *three* of the following.

3 × 5 = 15

2. "VB is front-end tool" — Explain with suitable example. What are the advantages of Visual Basic ? 3 + 2
3. Write an application program in VB to print the Fibonacci numbers upto 50. 5
4. Write a Program module to calculate the Factorial of any Number. 5
5. Write the differences between any *two* of the following :  $2 \times 2\frac{1}{2}$
- a) List Boxes and Combo Boxes
- b) Option Button and Check Boxes
- c) Input Box and Message Box.
6. Why is VB6 an Event Driven programming language ? Explain with Example. 5

**GROUP – C****( Long Answer Type Questions )**Answer any *three* of the following.

3 × 15 = 45

7. Explain loop structure in Visual Basic ? Write a program to print first 50 numbers of a Fibonacci series. Write a program to sort 10 user input numbers in ascending order and display them. 4 + 5 + 6
8. a) What are dynamic array and multidimensional array ? Explain with an example. 5
- b) Write the difference between Public function and Private function. 5
- c) Write a VB code segment to check if a string is palindrome or not. ( If a string is same from both sides then it is called palindrome, e.g., MADAM ). 5
9. a) Write a VB program to check whether a year is leap year or not.
- b) Write a VB program that allows the user to input his name and print the Initial name. For example : Vinoy Kumar Singh  
Output : V.K.S
- c) What function can be used to convert the lowercase letters to uppercase and vice-versa ? 6 + 6 + 3



10. Write a program to add, edit, delete records to/from the table. What is Option Explicit statement ? Explain with suitable example. Describe the scopes of Dim, Private and Public variables. 5 + 4 + 6

11. Write short notes on *any three* of the following : 3 × 5

- a) Inheritance
- b) Multidimensional array
- c) Structured programming
- d) Cint( ) and Val( )
- e) Random Access File.

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END