

Mid-West University

Examinations Management Office

End Semester Examinations 2081

Bachelor level/ B.E. Computer/ 6th Semester

Full Marks: 50

Time: 3 hours

Pass Marks: 25

Subject: VB.NET (CO465/CE551)

- *Attempt all the questions*
- *Figures in the margin indicate full marks.*
- *Assume suitable values, with a stipulation, if necessary.*
- *Candidates are required to answer the questions in their own words as far as possible.*

1. What is Visual Basic.NET? Draw and explain architecture of .net framework with its key components. [1+4]
2. Describe the structure parts of VB.NET program. Explain option strict and option explicit [3+2]
3. Define flow control statements and classify it. Write a program to perform an arithmetic operation using select case statement in VB.NET. [2+3]
4. What is namespaces in VB.Net? Describe the VB.NET form control, key features of form and list the form properties. [1+4]
5. Explain VB.NET exception handling. Write a program to show how exception can be handled. [2+3]
6. How can you describe array in VB.NET? Write a program to add the elements of an array and display it. [2+3]
7. Describe class and object in VB.NET. Write a program to demonstrates a box class, with three data members, length, breadth, height, and find the volume and display it. [2+3]
8. What is method overloading? Write a program to show how a method can be overloaded. [2+3]
9. How VB.NET application communicate with database? Write steps for database access in VB.NET. Explain how to objectify your programs. [1+1+3]
10. What is the benefit of using inheritance? Write a program to swap the value using reference (ByRef) in VB.NET [1+4]

OR

What is arrays and variants in visual basic? Highlight the features of list view control with its properties.

The End