

**5/H-73 (vi)(b) (Syllabus-2015)**

**2 0 1 7**

**( October )**

**COMPUTER SCIENCE**

**( Honours )**

**( Programming using VB NET )**

**( CS-502 BT )**

*Marks : 38*

*Time : 2 hours*

*The figures in the margin indicate full marks  
for the questions*

**Answer one question from each Unit**

**UNIT—I**

1. (a) Distinguish between explicit variable declaration and implicit variable declaration. 2
- (b) Explain the select case statement along with syntax and an example. 3
- (c) Explain scope and lifetime of a variable. 3

( 2 )

2. (a) Explain strict and explicit options. 2  
(b) Categorize various looping structures as entry controlled and exit controlled. Explain each with a suitable example. 2+4=6

UNIT—II

3. (a) State the differences between subroutines and functions. Explain argument passing by reference mechanism with a proper example. 3+3=6  
(b) Explain the concept of named arguments with an example. 2
4. (a) How will you pass an unknown number of arguments to procedure/functions? Illustrate with an example. 4  
(b) Explain function overloading with an example. 4

UNIT—III

5. (a) Differentiate between object and class. 2  
(b) Explain the uses of MyBase and MyClass keywords with appropriate examples. 3+3=6

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(Continued)

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6. (a) Explain the concept of inheritance in VB.NET with a suitable example. 5  
(b) What is a namespace? Which namespace is used for accessing the data in VB.NET? 1+2=3

UNIT—IV

7. (a) How does an MDI form differ from Windows form? 2  
(b) Explain the following functions with examples :  $1\frac{1}{2}+1\frac{1}{2}=3$   
(i) Substring()  
(ii) Trim()
8. (a) Demonstrate with an example how to create MDI child forms. 2  
(b) Explain the following functions with examples :  $1\frac{1}{2}+1\frac{1}{2}=3$   
(i) abs()  
(ii) LastIndexOf()

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( Turn Over )

( 4 )

UNIT—V

9. Depict graphically the ADO.NET architecture with its primary components. Explain the importances of the DataAdapter object and Command object.  $4+2\frac{1}{2}+2\frac{1}{2}=9$
10. What is an ASP.NET web application? Explain the uses of any three web form controls used in ASP.NET.  $3+6=9$

( Internal—12 )

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