

Odd Semester, 2020

(Held in March, 2021)

COMPUTER SCIENCE

(Honours)

(CS-502BT)

(Programming using VB NET)

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) What is a form? What are the modes available for a form? 4
- (b) Explain the strict and explicit option with proper example. 4
2. (a) What do you understand by Widening and Narrowing of data types in VB.Net? 4
- (b) How can you run console program by passing command line arguments? Discuss it with proper example. 2+2=4

UNIT—II

3. (a) What are dynamic arrays? Why do you need to use the preserve keyword in case of dynamic arrays? 2+2=4
- (b) How can you pass unknown number of parameters to a function? Give proper example. 2+2=4
4. (a) What are runtime errors? Justify your answer with a proper example. 2+2=4
- (b) Explain recursive function with an example. 2+2=4

UNIT—III

5. (a) What is the usage of property method of a class? Explain with an example. 4
- (b) Explain polymorphism w.r.t. VB.Net with a proper example. 4
6. (a) Discuss the following w.r.t. inheritance : 2×3=6
 - (i) Overridable
 - (ii) Not overridable
 - (iii) Must override
- (b) How can you pass an object to a constructor? Discuss. 2

UNIT—IV

7. (a) Discuss any two advantages of using MDI's over SDI's. 2
- (b) Write a code of section to check whether the user enters only characters or numeric values. 3
8. (a) How can you access the variables of a child form in a parent form? 2
- (b) Discuss the usage of Ceiling() function with a suitable program giving its output. 3

UNIT—V

9. (a) Discuss connection object w.r.t. ADO.Net. How can it be utilized to enable or disable the connection to the database? 3+3=6
- (b) What do you understand by validating controls in ASP.Net? Give one example. 2+1=3
10. (a) Discuss the various aspects of .Net Data Provider. 5
- (b) What are cookies? How can they be utilized in ASP.Net? 2+2=4

★ ★ ★