D–1780

P. G. Diploma in Computer Application
(Second Semester) EXAMINATION, 2020

(New Course)

PROGRAMMING IN VB.NET

(PGDCA–106)

Time : Three Hours]   [*Maximum Marks : 100*

Note : (i)   Attempt any *two* parts from each Unit.

(ii)   All questions carry equal marks.

Unit—I

1. (a)   Explain the architecture of VB.NET framework.

   (b)   What is Just-In-Time (JIT) compiler in .Net ?

   (c)   What is Microsoft Intermediate Language (MSIL) ? Explain the execution process of .Net source code through intermediate language.

Unit—II

2. (a)   Describe data types audilable in VB.NET.

   (b)   Explain the process of variable declaration in VB.Net and also discuss scope and lifetime of variable.

(c)   What is type conversion ? Explain any *five* type conversion functions with example.

Unit—III

3. (a)   Create a procedure to find sum of integer type array elements.

(b)   Discuss Msgbox and Inputbox functions with proper syntax and example.

(c)   What is Exception Handling ? Explain various exception handling statements available in VB.Net.

Unit—IV

4. (a)   Differentiate listbox and combobox controls. Write code to add *five* elements in listbox.

(b)   What is groupbox control and how it differs to the panel control ?

(c)   Explain the utility of dialog boxes in VB.Net.

Unit—V

5. (a)   Explain ADO.Net architecture in brief.

(b)   Write and explain database connecting steps through ADO.Net.

(c)   What is roll of 'Command' object and 'Data reader' object in ADO.Net ?