II Semester Examination, 2021

PGDCA

Paper I

(Programming in VB.Net)

Time : 3 Hours]   [Maximum Marks : 100

Note : *Attempt any 2 parts from each unit. All questions carry equal marks.*

Unit I

1. What are the different types of JIT compilation ? Explain common language runtime (CLR).

2. What do you mean by event driven programming ? Also explain name spaces and Assemblies.

3. Write short notes on :

(a) Garbage collection,

(b) Metadata,

(c) Common Type system.

Unit II

1. What are the various data types available in VB.Net ? Explain with example.

2. What are the scope and life time of variables in VB.Net. Explain different type conversion functions available in VB.Net.

3. Write short notes on :

(a) MDI application,

(b) Creating Enumeration.

Unit III

1. Explain various loops available in VB.Net.

2. Describe sub-procedure and functions with example.

3. What is array ? How to create and initialize one dimensional and two dimensional arrays in VB.Net ? What is dynamic array ?

Unit IV

1. Explain savefile dialog box, print dialog box and colour dialog box.

2. How to design menues and submenues in VB.Net. ? Also explain Timer control.

3. Explain the following controls with their properties, method and events : **(any 3)**

(a) Combo box,

(b) Richtext box,

(c) Picture box,

(d) Scroll bar.

Unit V

1. Explain the architecture of ADO.Net.

2. How to perform database connectivity through ADO.Net ? Explain with example.

3. Explain the following :

(a) Data set,

(b) Command,

(c) Data bind control.

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