

M.C.M.- II (CBCS Pattern) Semester - IV
PMCMT403.1 - Elective-I-Paper-III - VB .NET

P. Pages : 2

Time : Three Hours



GUG/S/23/10781

Max. Marks : 80

-
- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answer and write specific answer related to questions.

Either:

1. a) What is .Net Framework? Explain. 8
- b) What is functionality of CLR? Explain in detail. 8

OR

- c) Describe in detail .Net assemblies. 8
- d) Explain the Architecture of Garbage collection. 8

Either:

2. a) Write down the steps for Debugging the VB.Net source code. 8
- b) What do you mean by option statement? Explain. 8

OR

- c) Describe different built-in-functions in VB.Net with suitable example. 8
- d) Define Array? Explain different types of Array with suitable example. 8

Either:

3. a) What are the principles of OOPS? 8
- b) Explain the following terms- 8
 - i) Data Encapsulation
 - ii) Data Abstraction

OR

- c) Explain subroutine with example. 8
- d) Write a program in VB.Net to find the sum of all elements of an array of 15 elements. 8

Either:

- | | | | |
|-----------|----|---|----------|
| 4. | a) | What is ADO.Net? Explain the limitations of ADO.Net. | 8 |
| | b) | Explain different Window services in AVO.Net in detail. | 8 |

OR

- | | | | |
|-----------|----|--|----------|
| | c) | What is ADO.Net managed provider? Explain in detail. | 8 |
| | d) | Explain N-Tier database application in detail. | 8 |
| 5. | | Attempt all the questions. | |
| | a) | Explain MSIL. | 4 |
| | b) | Explain type casting. | 4 |
| | c) | Explain different Basic controls in VB.Net. | 4 |
| | d) | What is Data Reader? Explain. | 4 |
