

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

P. Pages : 2

Time : Three Hours



GUG/W/23/10781

Max. Marks : 80

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

Either:

1. a) Explain main components of .NET Framework with suitable diagram. 8
- b) Explain the following. 8
- i) Platform independency.
- ii) Language interoperability.

OR

- c) Explain the following. 8
- i) CLS
- ii) Assemblies
- d) What do you understand by Garbage collection? Explain in detail with its Architecture. 8

Either:

2. a) Explain in detail about WPF Designer and Window Form Integration. 8
- b) Write a console application to print star in triangular format. Also explain the procedure of compiling and running the console application. 8

OR

- c) Explain the following. 8
- i) Type casting.
- ii) Built-In functions.
- d) Write a program to merge two arrays. 8

Either:

3. a) Explain in detail about the principles of OOP's available in VB.NET. 8
- b) What are Abstract classes and sealed classes. Explain with suitable example. 8

OR

- c) Write a windows application to count character A to Z from given text. 8
- d) Explain the various Error categories. Also explain how to debug and trace them. 8

Either:

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| 4. | a) | Explain what do you understand by Data Access Libraries. Also explain DAO and ADO in detail. | 8 |
| | b) | Write a program to read and write from XML File. | 8 |

OR

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|-----------|----|---|----------|
| | c) | What is crystal Report? Give it's steps to create Crystal Report. | 8 |
| | d) | Write a program to retrieve data from database. | 8 |
| 5. | | Attempt all the questions. | |
| | a) | Write short note on MSIL. | 4 |
| | b) | Discuss in short about boxing and un-boxing. | 4 |
| | c) | Write note on Delegates. | 4 |
| | d) | Give short note on Connection pooling. | 4 |
