

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

- 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:

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

- 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**
