

M.Sc.- I (Computer Science) (CBCS Pattern) Sem-II
PSCSCT06 - Paper-II : VB.NET

P. Pages : 1

Time : Three Hours



GUG/W/22/11188

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 only.

Either:

1. a) Write a detailed note on .Net framework. **8**
b) Explain in detail the architecture of GC. **8**

OR

- c) Explain in detail about the basic functionality of CLR. **8**
d) What is Assembly? Explain in detail. **8**

Either:

2. a) Write in detail about WPF designer and windows form integration. **8**
b) Write a VB.Net application to enter 2 arrays of dimension 10 each. Store them in reverse order in third array. **8**

OR

- c) Write a note on **8**
i) Refactoring and Enhancements ii) Multi framework Targeting
d) Write a VB.Net application for sorting an array of 20 elements. **8**

Either:

3. a) Explain in detail various principles of OOPs. **8**
b) Write a VB.Net application for the demonstration of Abstract class and sealed class. **8**

OR

- c) Explain in detail any four VB.Net controls. **8**
d) Write a VB.Net program to demonstrate error handling. **8**

Either:

4. a) Write a detailed note on DAO and RDO. **8**
b) Write a VB.Net application to insert 5 records in 'Student. mdb' database. Take Srno, SName, DOB, class, total as fields of the table. **8**

OR

- c) Write a note on **8**
i) File stream ii) ADO.Net Exceptions
d) Explain in detail connected and disconnected environment. **8**

5. Solve all the questions.
- a) Write a short note on application domain. **4**
b) Explain in brief Boxing & unboxing. **4**
c) Write in short about code optimization. **4**
d) Write the limitations of ADO. **4**
