

M.Sc.(Computer Science)-I (CBCS Pattern) Second Semester CBCS  
**PSCSCT06 - VB.Net Paper - II**

P. Pages : 2

Time : Three Hours



**GUG/W/18/11188**

Max. Marks : 80

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

**1.** Either :

- a) Explain in detail the types of Assemblies in .Net. **8**
- b) Explain the basic functionality of CLR. **8**

**OR**

- c) Write a short note on: **8**
  - i) MSIL
  - ii) Interoperability.
- d) What is Garbage collection? Explain how Garbage collection performed with the help of program. **8**

**2.** Either :

- a) Explain various datatypes in VB.Net. **8**
- b) Write a program to print whether enter number is palindrome or not. **8**

**OR**

- c) Explain WPF designer in detail. **8**
- d) Explain the procedure for debugging the .Net source code. **8**

**3.** Either :

- a) Explain in detail the testing phases & strategies. **8**
- b) Explain the following terms **8**
  - i) Data Encapsulation.
  - ii) Data Abstraction.

**OR**

- c) Write a program to demonstrate the concept of inheritance. **8**
- d) Explain unicast and multicast with suitable example. **8**

4. Either :
- a) Explain in detail ADO.Net managed providers. 8
  - b) Explain in detail about N-Tier database application. 8
- OR**
- c) Write a program to retrieve data from database. 8
  - d) Explain in detail about Data Reader, Data Adaptor and Dataset. 8
5. Solve all the questions.
- a) Write short note on MSIL. 4
  - b) Explain the concept of type casting. 4
  - c) Explain method overloading in detail. 4
  - d) Write short note on Crystal Report. 4

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