

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

P. Pages : 2

Time : Three Hours



**GUG/S/23/11188**

Max. Marks : 80

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- Notes : 1. All the questions are compulsory and carry equal marks.  
2. Draw neat and labelled diagrams wherever necessary.  
3. Avoid vague answer and write answer relevant and specific to question only.

**Either:**

1. a) Explain the functionality of common language Runtime (CLR) in detail. **8**  
b) What is Garbage collection? Explain the Architecture of Garbage collection. **8**

**OR**

- c) Explain about platform independency & Language interoperability. **8**  
d) Write a note on: **8**  
i) MSIL.  
ii) Application domain.

**Either:**

2. a) Explain the Refactoring and Enhancement in detail. **8**  
b) Write a console application to print star in triangular format using VB .NET. **8**

**OR**

- c) Write a program for Binary search using VB.NET. **8**  
d) Explain any four string Built-in Function in VB.NET. **8**

**Either:**

3. a) Define constructors? Explain with suitable example. **8**  
b) What is Delegate? Explain the multicast in detail. **8**

**OR**

- c) Explain the overloading and overriding in detail. **8**  
d) Explain the Testing phases and strategies in detail. **8**

**Either:**

4. a) Explain the ADO.Net object and its usage. **8**  
b) Explain the concept of N-Tier Database Application. **8**

**OR**

- c) Write a note on: **8**  
i) Windows services.  
ii) Crystal Report.
- d) Write a program to demonstrate the concept of stored procedure. **8**
5. Attempt all the questions:
- a) Write a note on Assemblies. **4**  
b) Write features of VB .Net. **4**  
c) Write a note on Namespaces. **4**  
d) Write the Limitation of ADO. **4**

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