

## B3.5-R4: VISUAL PROGRAMMING

### NOTE:

1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time: 3 Hours

Total Marks: 100

1.
  - a) What is DLL Hell problem in .NET? What is solution of it?
  - b) How is Session Trading done in ASP.NET? Explain with example.
  - c) What are the difference between ADO.NET and classical ADO?
  - d) What are themes in ASP.NET? How to apply it?
  - e) What is method overloading in VB.NET? Explain with suitable code.
  - f) Write short note on GDI+.
  - g) Differentiate between repeater and datalist control.

**(7x4)**
  
2.
  - a) What state management in ASP.NET? List and explain various state management techniques in ASP.NET. Explain with example.
  - b) What is Master Page? Explain advantages of using Master Page? Explain nested Master Page.

**(10+8)**
  
3.
  - a) Write a code using ASP.NET which inserts records like student-id, name, semester and mobile into database. Create HTML form and insert records using html form.
  - b) Write down steps to create Window Forms Controls.

**(9+9)**
  
4.
  - a) What is Visual Inheritance? How it is applied on forms?
  - b) List out dialog boxes in VB.NET and explain any two with example.

**(9+9)**
  
5.
  - a) What are Assemblies in .NET? Explain types of Assemblies.
  - b) What is a Console Application? Give example of it.
  - c) What is Administrative Tool in ASP.NET? How to configure it?

**(6+6+6)**
  
6.
  - a) Explain the mechanism of error handling in VB.NET with an example.
  - b) What are the roles of CLR, CTS and CLS in .NET Framework?
  - c) What are the differences between dispose and finalization method in VB.NET?

**(6+6+6)**
  
7. Write a Short Note on following:
  - a) NameSpaces
  - b) Versioning
  - c) XML

**(6+6+6)**