



**SB-3821**

**B. Sc. (IT) (Sem. IV) Examination**

**March / April – 2011**

**Paper-401 : Visual Application Development  
Techniques**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
← B. SC. (IT) (SEM. IV)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
← Paper-401 : Visual Application Development Techniques		<input type="text"/>	
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		Student's Signature	

- 1 Do as directed : 18
- Explain significance of Namespace.
  - List out the various components of CLR.
  - List out atleast four container controls.
  - What is Boxing and Unboxing ?
  - Differentiate static and global assembly.
  - Write a code to add controls at run time.
  - What is disconnected data model ? Give its advantages and disadvantages.
  - Define shadowing with example.
  - Define context menu.
- 2 Answer the following (any three) 18
- What is interface ? Explain interfaced polymorphism.
  - Write a note on ADO.NET Architecture.
  - How assembly is created in VB.NET ? Explain its features.
  - What are collections ? Explain about stack and queue with possible methods.

- 3** Answer the following (any three) : **18**
- (i) What is namespace ? Explain namespace hierarchy with example.
  - (ii) What is record navigation ? Write code to perform record navigation in a data set.
  - (iii) Explain the use of Panel and TreeView control.
  - (iv) What is an abstract class ? How to create it ? Compare it with simple class.
- 4** Answer the following (any four) **16**
- (i) Explain Combobox control with its properties and methods.
  - (ii) Explain the component of .NET framework which support the theme of .NET i.e. unification and interoperability.
  - (iii) Explain MDI forms.
  - (iv) Explain option statements with examples.
  - (v) Discuss on OpenFileDialog dialog and Color dialog.
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