

- N.B: 1) All questions are compulsory.  
2) Figures to the right indicate marks.  
3) Illustrations, in-depth answers and diagrams will be appreciated.

AC - II March 2012

30/03/12

**Q1. Attempt the following (any FOUR)**

- (i) Explain the steps involved in the Managed Execution process. (03)
- (ii) Write a note on the GACutil Utility. (03)
- (iii) State the events included in the Global.asax file. (03)
- (iv) Explain XML's Hidden Role in ASP.NET. (03)
- (v) Explain the different kinds of procedures in VB.NET. (03)
- (vi) Explain the structure of web.config file. (03)

**Q2. Attempt the following (any THREE)**

- (i) With the aid of an example, explain the Select ... Case structure of VB.NET. (04)
- (ii) List the important properties and methods of the Array class. (04)
- (iii) Explain Structured Exception Handling in VB.NET. (04)
- (iv) Explain with an example the StreamReader class. (04)

**Q3. Attempt the following (any THREE)**

- (i) Explain the following: (04)
  - a) NotInheritable
  - b) MustInherit
  - c) NotOverridable
  - d) MustOverride
- (ii) Write a note on the SqlConnection class. (04)
- (iii) What is LINQ? What are the advantages of LINQ? (04)
- (iv) Write a program in VB.NET for an application having a form containing a button "Count". On the click of the "Count" button the total number of records of the employee table should be displayed. (04)

**Q4. Attempt the following (any THREE)**

- (i) What are the different Validator controls available in VB.NET? State the properties of the BaseValidator Class. (04)
- (ii) Explain the postback processing sequence with diagram. (04)
- (iii) Write a note on Cross Page Posting. (04)
- (iv) Write a program in ASP.NET with a calendar control in which you restrict a user to not to select a national holiday (26<sup>th</sup> January or 15<sup>th</sup> August). (04)

**Q5. Attempt the following (any THREE)**

- (i) Explain the following controls of the ASP.NET AJAX Toolkit: (04)
  - a) The ScriptManager
  - b) Update Panel
- (ii) What is caching? Classify and explain the types of caching. (04)
- (iii) Write a note on the GridView control of ASP.NET. (04)
- (iv) Write a ASP.NET code that would generate the following XML file: (04)

```
<?xml version="1.0"?>
<catalog>
  <book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <price>44.95</price>
  </book>
</catalog>
```

T.Y.B.Sc. Applied Component Group:  
Web Design - Paper - II - Net Technologies (Rev)

Con. 5798-12.

(REVISED COURSE)

HK-4849

AC - II (3 Hours) Oct 2012

[Total Marks : 60

6/10/12

- N.B: (1) All questions are compulsory.  
(2) Figures to the right indicate marks.  
(3) Illustrations, in-depth answers and diagrams will be appreciated.

Q1. Attempt the following (any FOUR):

- (i) Write a short note on **CTS**. (03)
- (ii) Give the Advantages of **LINQ**. (03)
- (iii) Write a note on **Shared properties & methods**. (03)
- (iv) Explain **Sorting & Paging GridView**. (03)
- (v) Explain the **types of applications** that are built with .Net. (03)
- (vi) Give the importance of **XML Role in .NET**. (03)

Q2. Attempt the following (any THREE):

- (i) Write a short note on **Structured Exception Handling**. (04)
- (ii) List and explain any two types of **Window Controls**. (04)
- (iii) How to add **event handlers** for one/many events? (04)
- (iv) Explain the use of **StreamReader & StreamWriter** class along with their methods with an example. (04)

Q3. Attempt the following (any THREE):

- (i) Write a short note on **DataGridView** Control. (04)
- (ii) What is meant by **Class Library**? State the significance of Class Libraries. (04)
- (iii) Explain how to **raise user defined events**. (04)
- (iv) What is the **Role of BindingSource** explain with an example. (04)

Q4. Attempt the following (any THREE):

- (i) Explain **Page Life Cycle**. (04)
- (ii) What are the different properties of the calendar control? (04)
- (iii) Write a short note on **Autopostback**. (04)
- (iv) Explain **Cross Page Posting** with an example. (04)

Q5. Attempt the following (any THREE):

- (i) Explain: (04)
  - a) **Data Caching**
  - b) **Output Caching**
- (ii) Write a short note on **Timed Refreshes**. (04)
- (iii) **What is State Management?** (04)
- (iv) How to create and consume a simple **web service** explain with an example. (04)

