Bachelor of Computer Applications 6th Semester

(2053)

APPLICATION DEVELOPMENT USING VB .NET

Paper–BCA-16-602

Time Allowed : Three Hours]   **[Maximum Marks : 65**

Note :— Attempt **one** question each from Units I, II, III and IV and the entire Unit-V.

UNIT—I

1. (a) Discuss in detail the evolution of .NET technology.   7

    (b) Explain the role of different components of .NET technology.

                                                                   6

2. What are the different components of development environment of VB.NET ? Explain the purpose of each component.   13

UNIT—II

3. How do we declare the variable implicitly and explicitly ? How can we ask VB to enforce variable declaration ? What is meant by scope of a variable ? Explain.   13

4. (a) Give suitable examples to distinguish between function and subprogram.   6.5

    (b) What are the different methods of parameter passing in VB.Net ? Explain giving examples.   6.5

UNIT—III

5. (a) What are the differences between ASP and ASP.Net ?   3

    (b) What are the different validation controls ? Briefly discuss purpose of each control.   10

6. (a) How state is managed in ASP.Net ? Explain.   6.5

    (b) What are the different methods of deploying ASP.Net solutions ?   6.5

UNIT—IV

7. (a) Discuss in detail the ADO.Net architecture.   6.5

    (b) Distinguish between connected and disconnected object models.   6.5

8. Define and distinguish between Dataset and Data Reader Oriented objects. What are the limitations of each of them ?   13

UNIT—V

(All questions are compulsory)

9. Attempt **all** questions :

    (a) What are the components of .NET framework ?   2

    (b) What is the difference between slider control and spin control ?   2

    (c) Which function is used for displaying messages ? Write its syntax.   2

    (d) Distinguish between SDI and MDI applications.   2

    (e) Distinguish between DAO, RDO and ADO.   2

    (f) How optional arguments are declared in Visual Basic ?   2

    (g) What is the purpose of "finally" statement ?   1