

KNT/KW/16/5272

**Bachelor of Computer Application (B.C.A.) Semester–V Examination****VB .NET****Paper—3**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :— ALL** questions are compulsory and carry equal marks.**EITHER**

1. (a) Explain object oriented features of VB.NET. 5
- (b) How base class constructor can be called in derived object ? 5

**OR**

- (c) What are the application supports provided by .NET ? 5
- (d) Write a note on .NET class library. 5

**EITHER**

2. (a) Explain abstract class. How can we create the reference of abstract class ? 5
- (b) What is advantage of interface ? How can it handle object ? 5

**OR**

- (c) What are the types of interface ? Explain interface inheritance with example. 5
- (d) Explain abstract class inheritance and interface inheritance by abstract class. 5

**EITHER**

3. (a) Explain event handling mechanism of toolbar. 5
- (b) Create an MDI application similar to notepad using VB.NET. 5

**OR**

- (c) Explain menu-enable and disable events with example. 5
- (d) Explain process of context menu creation. 5

**EITHER**

4. (a) Explain nested try ..... catch block with example. 5
- (b) Explain multiple methods handling using delegates. 5

**OR**

- (c) Write a note on debugging process. 5
- (d) With a note on COM\_.NET interoperability. 5

5. Attempt **all** :

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|-----------------------------------|----|
| (a) Explain destructor in VB.NET. | 2½ |
| (b) Explain ICloneable interface  | 2½ |
| (c) What is helper form ?         | 2½ |
| (d) What is exception ?           | 2½ |