

EVN-280

Total Pages: 3

Roll No. _____

BCA (IV) Semester Examination- 2022/23

Paper-II (BCA-402)

Visual Basic Programming

Time: 2.30 Hours

Max. Marks: 70

Note : Attempt any five question. All question carry equal marks.

1. (a) Explain the key features of Visual Basic and how they contribute to its popularity as a programming language. 7
- (b) Describe the different editors of Visual Basic and the specific features and capabilities offered by each edition. 7
2. (a) Identify and explain the purpose of various controls in Visual Basic, such as Text Box, Picture Box, Label, Option Button, Frame, List Box, Combo Box, and Command Button. 7

- (b) Discuss the significance of properties in Visual Basic controls and how they affect the appearance and behavior of the controls 7

3. (a) Discuss the role of the Toolbox, Project Explorer, and Properties windows in the Visual Basic Integrated Development Environment (IDE) and how they assist in application development. 7

- (b) Explain the purpose and functionality of the Form Window in visual basic and how it serves as the main visual interface for the application. <https://www.sdsuonline.com> 7

4. (a) Explain the role of variables in visual basic. Including their declaration, data types, scope, and the use of constants. 7

- (b) Discuss the process of writing code in the Visual Basic Code Window, including opening the Code Window, utilizing code editor features, and using control

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structures like loops and decision-making statements.

5. (a) Develop a Visual Basic application that uses event handlers to respond to user input and perform specific actions. 7
- (b) Examine the role of Crystal Reports in generating reports from data in a Visual Basic application.
6. (a) Assess the benefits and drawbacks of using Active X Data Objects (ADO) for database connectivity in Visual Basic. 7
- (b) State the significance of the Properties Window in Visual Basic development. 7
7. Write short notes on the following any four : 14
 - (i) OLE
 - (ii) Arrays
 - (iii) Object
 - (iv) MDI
 - (v) ODBC
 - (vi) IDE
