

KNT/KW/16/5190

Bachelor of Science (B.Sc.) Semester-V (C.B.S.) Examination

COMPUTER SCIENCE

(Visual Basic Programming)

Paper-1

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

1. EITHER

(a) Explain Visual Basic Integrated Development Environment (IDE). 5

(b) Explain the following controls with an example :

(i) CheckBox

(ii) ListBox. 5

OR

(c) What is a Loop ? Explain the following Loop structure with an example :

(i) Do – Loop

(ii) For – Next – Loop. 5

(d) What is a Timer Control ? Give its properties, events and methods, also develop an application which displays an image with delay time 100 ms. 5

2. EITHER

(a) Describe in short the following numeric functions – Int, Sqr, Abs, Exp and Round. 5

(b) Explain Passing Arguments by value to a function and subroutine with suitable example. 5

OR

(c) What is Control Array ? When do we need it ? Explain with suitable example. 5

(d) What is a Module ? Explain the following :

(i) Form Module

(ii) Standard Module

(iii) Class Module 5

3. **EITHER**

- (a) Write a program in VB to calculate factorial of a given number. 5
- (b) What is Menu ? Explain the process to create a menu using Menu Editor. 5

OR

- (c) Explain how to create a database using Visual Data Manager. 5
- (d) Explain the following methods of Data Control Data 1 with suitable coding in VB :
 - (i) Move First
 - (ii) MoveLast
 - (iii) MovePrevious
 - (iv) MoveNext. 5

4. **EITHER**

- (a) Explain the following Active X controls :
 - (i) Data Bound Grid Control
 - (ii) Data Bound Combo Control. 5
- (b) Explain various Error objects and methods in Visual Basic. 5

OR

- (c) What do you mean by Run Time Error ? Explain how to handle trapable error with an example. 5
- (d) Write a note on Data Environment in Visual Basic. 5

- 5. (a) Explain any five properties of Form. 2½
- (b) Write a short note on Dynamic Array. 2½
- (c) What is Pop-up Menu ? How to create this menu ? Explain. 2½
- (d) Explain Data List Control. 2½