

S.D.E.

**B.C.A. (2004 COURSE SEM- IV : WINTER - 2017
SUBJECT: VISUAL PROGRAMMING**

Day : **Wednesday**
Date : **27/12/2017**

Time : **02.00 PM TO 05.00 PM**
Max. Marks: 80

W-2017-4169

N.B.

- 1) Attempt any **FIVE** questions from Section – I and any **TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SEPARATE** answer book.

SECTION – I

- Q.1** a) Explain the different datatypes supported by VB. (05)
b) What are the different techniques used to handle errors in VB. (05)
- Q.2** Explain the use of data control to display the data. (10)
- Q.3** Explain the following types of loops in VB. (10)
a) For Next Loop
b) Do Loop
- Q.4** What are different dialogue boxes used in VB? Explain with example. (10)
- Q.5** What is a data report? How is it useful in VB. (10)
- Q.6** Explain the following control any **TWO**: (10)
a) Command button
b) Frame control
c) Option button
- Q.7** Write short note on any **TWO**: (10)
a) Sting functions
b) Menus
c) Scope (Global, Local, Static)

SECTION – II

- Q.8** Write a VB program that reads the radius of a circle as an integer and prints the circles diameter, circumference and area to the form using the print method. Calculate each of these inside print statement applying the following formulas (r is radius): diameter = 2r, circumference = $2\pi r$, area = πr^2 . (15)
- Q.9** Design a VB application that demonstrates the use of the Ucase, Lcase, Reverse and ASC string function. (15)
- Q.10** Write short notes on any **TWO**: (15)
a) Visual Data Manager
b) List box
c) SQL queries in VB.

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