

**S.D.E.**  
**B.C.A. – IV (2004 COURSE): WINTER – 2018**  
**SUBJECT : VISUAL PROGRAMMING**

Day : Monday  
Date : 10/12/2018

**W-2018-4522**

Time : 10.00 AM TO 1.00 PM  
Max. Marks : 80

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**N.B.:**

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

- Q.1** What is visual programming? Discuss features of VB in details. [10]
- Q.2** Illustrate various scope resolution controls of VB programming. [10]
- Q.3** Explain the functionality for: [10]  
a) List box control      c) Command button      e) Option button control  
b) Text box control      d) Label control
- Q.4** Elaborate functions mentioned below in brief: [10]  
a) Mathematical function  
b) Data type conversion function
- Q.5** “VB programming handle error very effectively”. Justify with suitable [10]  
example.
- Q.6** Discuss various control statements of VB programming with appropriate [10]  
example.
- Q.7** Write short notes on **ANY TWO** of the following: [10]  
a) Dialog boxes  
b) Data controls  
c) Creating menus  
d) Jet DAO

**SECTION – II**

- Q.8** Design a form for calculating  ${}^n C_r = \frac{n!}{(n-r)!}$  [15]  
User shall enter value of n and r with condition  $n \geq r$ .
- Q.9** Design a form and write a VB code for performing basic arithmetic operations [15]  
(\* , / , + , -) for two digit numbers.
- Q.10** Design a form and write a code in VB for Book Information System to [15]  
perform operations- ADD, SAVE, CANCEL, UPDATE and DELETE on data  
using ADO control. (Make necessary assumption for data fields)

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