**15159**

**B. Tech 5th Semester Examination**

**Visual Programming (OS)**

**IT(ID)-5004**

**Time : 3 Hours**                                    **Max. Marks : 100**

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :**  Attempt five questions in all selecting one from each of the Sections A, B, C & D. Section E is compulsory.

### SECTION - A

1. Explain different control statements in Visual Basic with appropriate example. Also discuss MS Common Control and MDI. (20)

2. (a)  Explain different types of objects in Visual Basic along with tool bars. (10)

   (b)  What is a control array? How it is created in VB? Explain with example. (10)

### SECTION - B

3. Explain how Win 32 API is used in Visual Basic. Take appropriate example for explanation. Also discuss ActiveX in VB. (20)

4. (a)  Discuss different control statements in shell programming. (10)

   (b)  Justify that VB is an object oriented programming language. (10)

**[P.T.O.]**

### SECTION - C

5. Differentiate between following with appropriate example :-

   (i)   Data control and Data bound control.

   (ii)  DAO and ADO. (20)

6. What are advantages of ADO data control? Explain about different objects of ADO model. Also discuss data aware classes. (20)

### SECTION - D

7. Explain how Visual Basic can be used for Internet programming. Also discuss features of ASP in VB. (20)

8. Explain CDO and MAPI programming. Also discuss advance ADO techniques. (20)

### SECTION - E

9. (i)    What are data aware controls?

   (ii)   What is recordset?

   (iii)  List some file controls.

   (iv)   What is MS Flexgrid control?

   (v)    What is an object?

   (vi)   Define polymorphism in VB.

   (vii)  What is Function? Write its general syntax.

   (viii) List all operators in VB.

   (ix)   Write the steps to create the connection with the database MS Access.

   (x)    Explain the MDI Form. (2×10=20)