

- Q.1 (a) What is variable? Explain about the different types of variable in detail. [10]  
(b) Write difference between Combo box and List box. [05]  
(c) Describe the following terms in VB: (i) Function (ii) Procedure [05]

OR

- Q.1 (a) Explain looping statement with appropriate examples. [10]  
(b) Explain following controls: [10]  
(i) Textbox (ii) Command button (iii) Option button (iv) Timer
- Q.2 (a) Explain in detail: common dialog control [10]  
(b) Explain image box control. Also write code to display images in image box. [05]  
(c) Differentiate between SDI and MDI. [05]

OR

- Q.2 (a) Explain MDI form in detail. [10]  
(b) Explain in detail: rich text box control [10]
- Q.3 (a) Explain in detail: DTPicker control. [10]  
(b) Explain "On Error Go to Label" mechanism with appropriate example. [05]  
(c) Write a VB program to display record of employee (First, Previous, Next, Last) using ADO. [05]

OR

- Q.3 (a) Explain error handling methods with suitable examples. [10]  
(b) Write a VB program for: Employee (emp\_id, name, salary, mobile, desig) [10]  
i) How many employees have salary more than 15000?  
ii) List the employee whose designation is manager.
- Q.4 (a) What is normalization? Explain 1<sup>st</sup> and 2<sup>nd</sup> NF. [10]  
(b) What is an Entity? Explain with example. [05]  
(c) Differentiate : DBMS and RDBMS [05]

OR

- Q.4 (a) Describe terms: (i) Responsibility of DBA (ii) E-R diagram [10]  
(b) Explain following terms: [10]  
(i) Information (ii) Database (iii) Entity (iv) Attribute (v) Tuple
- Q.5 (a) Explain following functions: [10]  
(i) Instr() (ii) Datediff() (iii) Now() (iv) Left() (v) Ltrim()
- (b) Write steps to create relationship between two tables. [05]  
(c) Differentiate : Primary key and Foreign key with example [05]

OR

- Q.5 (a) Explain following functions: [10]  
(i) Asc() (ii) Datevalue() (iii) Day() (iv) Weekday() (v) Month()
- (b) Explain different relationship between entities with appropriate examples. [10]

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