



Unit-5: Database Programming with ADO.NET and

Unit-6: Data Binding and Deployment

Short Questions [1 Mark]

1. Give the full form of ADO.NET.
2. What is ADO.NET?
3. Which namespace is used to import for database connection?
or
What are the namespaces used in ADO.Net to connect to a database?
4. How can you establish a connection to a database?
5. What is the use of DataSource property?
6. How many types of connection classes can be provided in .Net Framework? Which are they?
7. Which are the two important objects of ADO.Net?
8. State the use of DataAdapter.
9. List all four properties of DataAdapter.
10. How can you create a DataSet?
11. What DataReader provides?
or
Which functionality is provided by DataReader?
or
What is a DataReader object
12. Give the use of ExecuteScalar() method.
13. Which property will be set as "False" to hide the column headers in a DataGridView object?
14. What will happen, if the value of the "ReadOnly" property of the DataGridView is set as "True"?
15. Which property is used to bind a DataGridView control?
16. What is the significance of BindingSource property?
17. State the usage of ReadOnly property.
18. Which architecture does Datasets follow?
19. What is the role of the DataSet object in ADO.NET?



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B.Sc.(IT) / Integrated M.Sc.(IT)

20.	Give the full form of RDLC.
Short Questions [2 Marks]	
1.	Which are the four data provider objects in ADO.NET? Describe all in one line. or List four data provider objects in ADO.NET and define all in one line.
2.	List at least six SQL Namespace objects in ADO.NET.
3.	Explain the disconnected architecture of ADO.NET's data access model.
4.	What is the significance of "Data Source" and "Initial Catalog" in connection string?
5.	What are all components of ADO.Net data provider?
6.	Briefly explain DataReader object.
7.	What is the difference between DataReader and DataSet?
8.	Explain the use of ExecuteNonQuery() and ExecuteReader(). or Differentiate ExecuteNonQuery() and ExecuteReader().
9.	What are the usages of the Command object in ADO.NET?
10.	Explain the usage of SqlCommand and SqlDataReader.
11.	List at least four properties of DataGridView control and explain any one of it.
12.	What is the use of DataTable? Give one proper example.
13.	Explain in brief DataAdapter class in ADO.NET.
14.	What is Data Binding? Give one advantage and dis-advantage of it.
15.	List and explain different types of data providers included in ADO.Net in short.
Scenario based Questions [5 Marks]	
1.	Which classes and properties are used to bind ComboBox? Write a C# code for creating a public class named "BindCombo" and bind a ComboBox on the loading of form for the list of countries. Also write a code for creating an appropriate method for, when user selects any value from the ComboBox display its value ID in label.
2.	Write a C# code for binding a CheckListBox for the list of hobbies on the loading of form by creating a public class named "BindCheckList". Also write the code to insert the selected hobbies in database table named "tblHobbies".
3.	Write a C# code for binding a ListBox for the list of programming languages on the loading of form by creating a public class named "BindListBox". Also write the code to insert the selected languages in database table named "tblITLanguages".



4.	Consider the tblEmployee(Empid, Fname, Lname, DOJ, Salary). Write a C# code to execute DML statements with SQL database.
5.	Consider the tblStudent(enro, name, course, CGPA, Grade). Write a C# code to fetch the records details in an appropriate field's controls and update through enro.
6.	Assume a table ProductMaster (Pid, Description, Qty, CostPrice, SellPrice) exists. Write a C# code to insert and delete the record. Also write a code for searching functionality which displays all products in DataGridView whose cost price is less than sell price.
7.	Consider the "tblAccountHolder" of "AccountMaster" database. Write a C# code to display all the records of Customers in DataGridView. Also filter records based on AccountNo. and AccountType of Customers.
8.	By displaying the information of the bill in a DataGridView, write a C#.NET code to generate the bill for "Medical Shop".
9.	Consider the tblStudent(enro, name, course, CGPA, Grade). Write a C# code to fetch the records details in an appropriate field's controls when the user selects that particular row values from DataGridView.

Long Questions [5 Marks]

1.	Explain ADO.NET architecture. or Write a note on ADO.NET Object Model. or Discuss the ADO.NET structure with all objects. or What is ADO.Net? What is ADO.Net object model? Explain it in details.
2.	Explain accessing data with ADO.NET. or How data are access with ADO.NET?
3.	Write a note on DataSet. Give the code to create DataSet.
4.	Explain DataGridView control with proper example. or Explain DataGridView methods and events.
5.	Write the steps in detail to Generate RDLC report.