





(ii) Explain the looping constructs in C# with syntax and examples. (10)

**(OR)**

b) (i) Explain in brief the different data types supported by C# with examples (6)

(ii) Write a C# program to generate Fibonacci series. (8)

22. a) (i) List the difference between classes and structures? (6)

(ii) Write a method that would take an array as input and check whether a given element is present in the list or not. The method must return true if it is present, otherwise return false. (8)

**(OR)**

b) (i) What is Inheritance? With a suitable example, explain how is it implemented in C#? (10)

(ii) Differentiate overriding and overloading. (4)

23. a) Describe the properties and methods of any two controls for window forms. Write a simple window application program using these controls.

**(OR)**

b) Write a program to develop a notepad by adding menus, submenus and toolbar and status bar

24. a) Explain the way of accessing data from database using ADO.NET in C#.

**(OR)**

b) (i) Describe in detail the architecture of ASP.NET (8)

(ii) Describe about Server Controls ASP.NET (6)

25. a) (i) Explain about Web service architecture with neat diagram. (10)

(ii) Write a note on File and Directory classes. (4)

**(OR)**

b) For the given tariff, create a simple web service to calculate electricity bill for a particular month entered by the user.

1 unit - Rs 5.00  $1 \leq \text{units} \leq 100$ ,

1 unit - Rs 7.00  $101 \leq \text{units} \leq 200$  and

1 unit - Rs 9.00 201 and above

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