

T.Y. B.Sc IT Sem-II CBCS dt. 12/02/2025

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3.20pm

[Time:2.30 Hrs]

Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory.
 2. Figures to the right indicate full marks.
 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.

- Q.1 Attempt any three of the following: 15
- a. What are .NET languages? Explain various features of C# languages.
 - b. Draw and Explain .NET framework architecture.
 - c. Write a program in C# to demonstrate multiple inheritance using interfaces.
 - d. What is namespace? Explain with the help of an example.
 - e. Explain various types of constructors in C#.
 - f. What is property? Explain read-write property with proper syntax and example.
- Q.2 Attempt any three of the following: 15
- a. Explain AdRotator control with an example.
 - b. Explain Anatomy of a Webform.
 - c. Explain static constructor and copy constructor with examples.
 - d. Explain SitemapPath control in ASP.NET.
 - e. List and explain any four types of validation controls used in ASP.NET.
 - f. Explain any five properties of List box and Drop-down list controls.
- Q.3 Attempt any three of the following: 15
- a. Create a web application to demonstrate use of Master Page with applying styles and themes for page beautification. Write necessary steps with code for the same.
 - b. Explain Master Page with its uses and working.
 - c. What are State management techniques in ASP .Net?
 - d. Explain exception handling mechanism with proper syntax and example.
 - e. What is debugging? Explain the process of debugging in detail.
 - f. Explain the four most important selectors present in CSS.
- Q.4 Attempt any three of the following: 15
- a. What is Data Binding? Explain its types.
 - b. Write note on Data Source Controls.
 - c. List and Explain ADO.NET objects.
 - d. What is a GridView control? Explain with an example.
 - e. Differentiate between FormView and DetailsView in ASP.NET.
 - f. Explain the SQL Data Provider Model.
- Q.5 Attempt any three of the following: 15
- a. What do you mean by Impersonation in ASP.NET? Explain.
 - b. Explain the reading process from an XML Document with example.
 - c. Explain AJAX with its advantages and Disadvantages.
 - d. What is XElement? Explain with an example.
 - e. Give brief information on Accordion control with appropriate properties.
 - f. Explain ASP.NET AJAX Control Toolkit.