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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.



UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2025.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
V	PART - III	CORE - 10	U23CA506	ASP.NET PROGRAMMING

Date & Session: 06.11.2025/FN

Time : 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Which component serves as the interface between .NET applications and the operating system? a) Common Language Specifications b) Common Language Runtime c) Common Type System d) Framework Class Library
CO1	K2	2.	What is the use of the for each loop in C#? a) Loop through an array b) Execute a statement once c) Select a condition d) Skip iteration
CO2	K1	3.	Which of the following is not a Web Form standard control? a) Text Box b) Button c) Drop Down List d) <canvas>
CO2	K2	4.	What is the difference between HTML controls and Web Form controls? a) HTML controls are server-side b) Web Form controls are only client-side c) Web Form controls can maintain state d) HTML controls are event-driven
CO3	K1	5.	Which control is used for user input validation in ASP.NET? a) Grid View b) File Upload c) Required Field Validator d) Text Box
CO3	K2	6.	Identify the correct file mode to append text to an existing file. a) File Mode. Create b) File Mode. Open Or Create c) File Mode. Append d) File Mode. Read
CO4	K1	7.	What is the purpose of Data Reader in ADO.NET? a) Reads data in forward-only stream b) Reads and writes data simultaneously c) Reads data backward d) Creates database schema
CO4	K2	8.	Which ADO.NET object is best suited for disconnected data access? a) SqlDataReader b) SqlDataAdapter c) SqlCommand d) SqlParameter
CO5	K1	9.	which property is used to enable sorting in Grid View a) Allow Edit b) Allow Paging c) Allow Sorting d) AutoSort
CO5	K2	10.	What is the use of XML Reader class? a) Writes XML files b) Encrypts XML content c) Reads XML files in forward-only mode d) Parses JSON data

Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	11a.	Explain any five looping statements in C# with syntax and examples. (OR)
CO1	K3	11b.	Write a C# program to demonstrate the use of arrays and string operations.
CO2	K3	12a.	Describe the features of Web Form controls and their differences from HTML controls. (OR)
CO2	K3	12b.	Write short notes on the properties and events of List Controls in ASP.NET.
CO3	K4	13a.	Explain the working of File Stream with examples for file reading and writing (OR)
CO3	K4	13b.	Analyze the role of validation controls with suitable examples.
CO4	K4	14a.	Explain the process of connecting to a database using ADO.NET. (OR)
CO4	K4	14b.	Discuss the role and usage of Data Adapter and Data Set in data handling.
CO5	K5	15a.	Evaluate how Grid View control handles editing, sorting, and paging in a Web Form. (OR)
CO5	K5	15b.	Assess the importance of authentication techniques in website security.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	16a.	Discuss in detail the components of the .NET framework and explain how C# is used within it. (OR)
CO1	K3	16b.	Write a program in C# to create and use an object. Explain object-oriented concepts used.
CO2	K4	17a.	Explain how to create a Web Form using ASP.NET and describe the role of its controls. (OR)
CO2	K4	17b.	Illustrate the structure of an ASP.Net application using standard controls with their events.
CO3	K4	18a.	Describe the procedure for uploading and manipulating files using File Upload control in ASP.NET. (OR)
CO3	K4	18b.	Analyze the different file operations (Create, Copy, Delete) using File Stream in ASP.NET.
CO4	K5	19a.	Evaluate different data binding techniques in ADO.NET with relevant examples. (OR)
CO4	K5	19b.	Justify the use of Data Controls for effective data display in ASP.NET Web Forms.
CO5	K5	20a.	Analyze the use of XML classes in Web Forms and explain how XML files can be manipulated. (OR)
CO5	K5	20b.	Evaluate the role of Grid View in managing large data sets with proper formatting and controls.