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

UG DEGREE END SEMESTER EXAMINATIONS – APRIL 2025.
(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.Sc., COMPUTER SCIENCE

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
V	PART - III	CORE	U21CS506	.NET TECHNOLOGY

Date & Session: 23.04.2025/ 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 of the following components is responsible for executing .NET applications? a) .NET Class Library b) Common Language Specification (CLS) c) Common Language Runtime (CLR) d) Base Class Library (BCL)
CO1	K2	2.	ASP.NET is a ____. a) Client-Side technology b) Server-side technology c) Both d) None
CO2	K1	3.	_____ file is used to configure ASP.NET settings such as authentication, authorization, and custom error pages. a) Global.asax b) Web.config c) Machine.config d) AssemblyInfo.cs
CO2	K2	4.	Which of the following is NOT a type of validation control in ASP.NET? a) CheckBoxList b) RangeValidator c) RegularExpressionValidator d) RequiredFieldValidator
CO3	K1	5.	Which of the following is TRUE about Session State in ASP.NET? a) Session state is shared among all users of an ASP.NET application. b) Session state does not expire by default. c) Session state is unique for each user. d) Session state is stored on the client side.
CO3	K2	6.	The SessionIDs are stored in ____ by ASP.Net. a) Cache b) Server c) Database d) Cookies
CO4	K1	7.	Which SQL command is used to insert data into a database? a) SELECT b) INSERT c) UPDATE d) DELETE
CO4	K2	8.	ADO.NET stands for _____. a) ActiveX Data Object b) All Data Object c) Access Data Object d) ActiveX DataSet Object
CO5	K1	9.	An XML document is a string of ____. a) HTML character codes b) XML codes c) ASCII codes d) Characters
CO5	K2	10.	_____ is used to convert your application into Web-Application. a) Struts Services b) Java Service c) Web Services d) Browser Action

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.	Write the difference between VB.NET and C#.
			(OR)
CO1	K3	11b.	Determine the various data types supported by .NET.
CO2	K3	12a.	Write a Note on ASP.NET configuration.
			(OR)
CO2	K3	12b.	What are HTML server controls? Explain.
CO3	K4	13a.	Analyze the process of creating and reading the custom cookie in ASP.NET.
			(OR)
CO3	K4	13b.	Illustrate how to throw a custom exception in ASP.NET?
CO4	K4	14a.	Examine the various characteristics of ADO.NET.
			(OR)
CO4	K4	14b.	Write a note on basics of SQL.
CO5	K5	15a.	What are XML classes? Explain.
			(OR)
CO5	K5	15b.	Criticize the UDDI for Publishing and Discovery services with an example.

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.	Construct the .NET programming framework with neat diagram.
			(OR)
CO1	K3	16b.	Write the steps involved in setting up ASP.NET on IIS.
CO2	K4	17a.	Analyze how HTML server controls can be dynamically manipulated in the code-behind file to create an interactive user interface?
			(OR)
CO2	K4	17b.	Evaluate the use of ASP.NET validation controls in a web form.
CO3	K4	18a.	Analyze the pros and cons of using ViewState versus Session State for maintaining user-specific data in a web application with an example.
			(OR)
CO3	K4	18b.	Discuss Exception Handling Mechanism in ASP.NET.
CO4	K5	19a.	Criticize the architecture of ADO.NET and how it supports both connected and disconnected data access?
			(OR)
CO4	K5	19b.	Create Student mark list using SQL provider.
CO5	K5	20a.	Explain XML validation with example.
			(OR)
CO5	K5	20b.	Create a Simple Web Page Using CSS.