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

UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.
(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.Sc., INFORMATION TECHNOLOGY

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
IV	PART - III	CORE-7	U23IT404	.NET PROGRAMMING

Date & Session: 28.04.2025/AN   **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.	What is the primary purpose of the .NET Framework? a) To provide a comprehensive set of libraries and APIs only b) To develop Windows-based applications only c) To create web applications only d) To provide a platform for mobile app development
CO1	K2	2.	Select the purpose of a constructor in C++? a) To initialize objects b) To declare a class c) To define a method d) To import a namespace
CO2	K1	3.	ASP.NET is a _____. a) Client – Side Technology b) Server –Side Technology c) Both d) None
CO2	K2	4.	An XML document is considered to be syntactically incorrect if _____. a) Contains a start tag and end tag b) Properly rested tags c) attribute values in quotes d) Contains two root elements
CO3	K1	5.	Which of the following tools is most commonly used to log errors in ASP.NET? a) Trace Logs b) Event Viewer c) Log4Net d) Web.config
CO3	K2	6.	_____ statement is true about cookies in ASP.NET. a) stored in server memory b) not persistent across browser sessions c) sent to the server with each HTTP request d)cannot store data on the client-side
CO4	K1	7.	What is the primary purpose of validation in ASP.NET a) To ensure the web page is rendered correctly b) To check user input and prevent errors c) To optimize page load time d) To prevent unauthorized access
CO4	K2	8.	_____ is the purpose of using Themes in ASP.NET a) To add interactivity to web pages b) To store static content c) To provide a consistent look and feel across multiple pages d) To add database functionality to a page
CO5	K1	9.	Which of the following SQL statements is used to retrieve data from a database? a) SELECT b) INSERT c) DELETE d) UPDATE
CO5	K2	10.	_____ is the purpose of data binding in ASP.NET a) To connect database tables b) To automatically synchronize data between kontrols and data sources c) To execute SQL queries d) To store 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.	What are the basic data types in C++? **(OR)**
CO1	K3	11b.	Write the purpose of namespaces in C++?
CO2	K3	12a.	Write Active server pages, and how does it differ from static HTML Pages? **(OR)**
CO2	K3	12b.	Identify the purpose of the AutoPostBack property in a web control?
CO3	K4	13a.	Analyze the best practices for logging errors in ASP.NET applications? **(OR)**
CO3	K4	13b.	Examine ViewState in ASP.NET, and how does it help in maintaining state across page requests?
CO4	K4	14a.	Classify the functionality of the Calendar control in ASP.NET **(OR)**
CO4	K4	14b.	Examine the concept of Master Pages in ASP.NET
CO5	K5	15a.	Criticize the concept of a relational database **(OR)**
CO5	K5	15b.	Justify data binding in ASP.NET ?

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.	Write the concept of arithmetic, and logical operations in C++ Programming. **(OR)**
CO1	K3	16b.	Write the concept of assemblies in C++, benefits, and how they are used in .NET.
CO2	K4	17a.	Examine server controls in ASP.NET? Discuss their importance? **(OR)**
CO2	K4	17b.	Comment on List Controls in ASP.NET. Give examples.
CO3	K4	18a.	Explain how exception handling works in ASP.NET and why it is important. **(OR)**
CO3	K4	18b.	Compare and contrast Session State and Application State in ASP.NET.
CO4	K5	19a.	Criticize the different types of validation controls available in ASP.NET **(OR)**
CO4	K5	19b.	Justify about Rich Controls in ASP.NET? Describe the functionality of the AdRotator control
CO5	K5	20a.	Evaluate the basic SQL commands for interacting with a relational database? **(OR)**
CO5	K5	20b.	Justify the key features and differences between the GridView, DetailsView, and FormView controls in ASP.NET.