



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY



Charotar University of Science and Technology
Devang Patel Institute of Advance Technology and Research
Department of Computer science and Engineering
Subject: CSE304: .NET Core Programming
Practical Exam

Semester: 5th (B. Tech.)
Date: 14/11/2025, Friday

Maximum Marks: 20 Marks
Time: 9:00 AM to 12:00 PM

Sr No	Set 1	Marks	BL
1	<p>A. ASP.NET Web Forms with Database Connectivity (10 Marks)</p> <p>Scenario: You are developing a Student Management Portal for a college using ASP.NET Web Forms and SQL Server.</p> <p>Tasks:</p> <ol style="list-style-type: none">1. Create a registration page to add new student details (Name, Enrollment No, Department, and Email).2. Store the data in the SQL Server database using ADO.NET (Insert command).3. Create a “View Students” page that displays all student records in a GridView.4. Provide an option to Edit or Delete a student record.5. Add a session-based login system for admin before accessing the student list. <p>Common UI Guidelines:</p> <ul style="list-style-type: none">• Use Master Page for consistent layout.• Apply Validation Controls for required fields and email format.• Use proper navigation (Menu/Link Buttons). <p>B. ASP.NET MVC – Employee Portal (10 Marks)</p> <p>Scenario: You are hired to build an Employee Information Management System using ASP.NET MVC.</p> <p>Tasks:</p> <ol style="list-style-type: none">1. Create an MVC application with a model Employee having properties: Id, Name, Designation, Salary.	20	AP

	<ol style="list-style-type: none"> Implement CRUD operations using Entity Framework (Code First). Display the employee list using Razor View. Add search functionality to filter employees by designation. Apply validation for required fields using Data Annotations. <p>UI Guidelines:</p> <ul style="list-style-type: none"> Use _Layout.cshtml for consistent design. Include Bootstrap form validation. Navigation links to Home, Add Employee, and Employee List. 		
Set 2			
2	<p>A. ASP.NET Web Application – Online Feedback System (10 Marks)</p> <p>Scenario: You are asked to develop an Online Course Feedback System for students.</p> <p>Tasks:</p> <ol style="list-style-type: none"> Create a form for students to submit feedback (Name, Roll No, Course, Rating, and Comments). Store the feedback in a SQL Server database using ADO.NET. Display the list of all feedback entries to the admin in a GridView. Calculate and display the average rating for each course. Apply validation for empty fields and invalid ratings (only 1–5 allowed). <p>Common UI Guidelines:</p> <ul style="list-style-type: none"> Use Master Page for consistent layout. Apply Validation Controls for required fields and email format. Use proper navigation (Menu/Link Buttons). <p>B. ASP.NET MVC – Online Product Catalog (10 Marks)</p> <p>Scenario: You are developing an Online Product Catalog for an e-commerce website using ASP.NET MVC and Entity Framework.</p> <p>Tasks:</p> <ol style="list-style-type: none"> Create a Product model with fields: ProductId, ProductName, Category, Price, and Stock. Use Entity Framework (Code First) to generate the database. Implement CRUD operations for products. Add a search bar to filter products by category or name. Create a responsive view layout using Bootstrap. 	20	AP

	UI Guidelines: <ul style="list-style-type: none">• Use _Layout.cshtml for consistent design.• Include Bootstrap form validation.• Navigation links to Home, Add Employee, and Employee List.		
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