



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

	<p>2. Implement CRUD operations using Entity Framework (Code First).</p> <p>3. Display the employee list using Razor View.</p> <p>4. Add search functionality to filter employees by designation.</p> <p>5. Apply validation for required fields using Data Annotations.</p> <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. 		
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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"> 1. Create a form for students to submit feedback (Name, Roll No, Course, Rating, and Comments). 2. Store the feedback in a SQL Server database using ADO.NET. 3. Display the list of all feedback entries to the admin in a GridView. 4. Calculate and display the average rating for each course. 5. 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"> 1. Create a Product model with fields: ProductId, ProductName, Category, Price, and Stock. 2. Use Entity Framework (Code First) to generate the database. 3. Implement CRUD operations for products. 4. Add a search bar to filter products by category or name. 5. Create a responsive view layout using Bootstrap. 	20	AP
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	<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.		
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