

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B.C.A. Semester – VI

BCA-602: Advance .NET Frame Work Using C#

Teaching Scheme (per week)		Teaching Scheme (per semester)		Examination Scheme					
				INT		EXT		TOTAL	
Th. (hours)	Pr. (hours)	Total Hours	Credit	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)
4	--	40	4	30	--	70	--	100	--

Unit – I

[18 MARKS]

Validation Control

Require Field Validator, Range Validator, Compare Validator, Regular Expression Validator CustomValidator, Validator Summary.

Rich Control:

Calendar Control, Ad Rotator Control, Multiview Control

Understanding AJAX Technology

Need of Ajax, Need of Script Manager, Update Panel, Update Progress and Timer

Unit-2

[17 MARKS]

Navigation Control

Menu Control, Tree view Control, Sitemaps Control

Data Controls

Gridview Control, Detailview Control, Formview Control

Unit – 3

[18 MARKS]

State management

Problem of State, View State, Query state, Custom Cookie, Session State, Application state

Debugging and Error Handling

Common Error, Exception Handling (try, catch and Finally)

Unit – 4

[17 MARKS]

Overview of Component based programming

Component Jargon's, Using Component in ASP.NET application through RCW

Caching

Types of Caching, Data Caching, Data Source Caching, Fragment Caching, Output Caching

Implementing Security

Authentication, Types of Authentication (Form, Window and Passport), Authorization

TEXT BOOKS:

1. **The Beginning Asp.net 4 in c# 2010** APRESS
2. **The Complete Reference ASP.NET** TATA McGraw-HILL
3. **ASP.NET Black Book**

Question Paper Scheme:

University Examination Duration: 3 Hours

Q-1 – Unit -1 (18 Marks)

- Q. Objective / Short Questions
- R. Descriptive / Long Questions

Q-2 – Unit -2 (17 Marks)

- Q. Objective / Short Questions
- R. Descriptive / Long Questions

Q-3– Unit -3 (18 Marks)

- Q. Objective / Short Questions
- R. Descriptive / Long Questions

Q-4 – Unit -4 (17 Marks)

- Q. Objective / Short Questions
- R. Descriptive / Long Questions

Note: All Objective/ Short Questions are compulsory, no option will be given.