

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B.C.A. Semester – V

BCA-502: .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] Introduction to Net Framework 4.0.

.Net framework Architecture, Feature of .Net, The .Net Languages, CLR, Language compilation in .net, .Net Class Library, Object of ASP

Introduction to C#

Data Types, Variable & Expression, Scope & Accessibility, Looping Statement, Functions & Sub routing, Delegates

Unit-2

[17 MARKS]

Basic about Classes & Objects

Namespaces and Assemblies, Difference of Web Based & Window Based Application, Introduction to Web Server, Installation of IIS, IIS request Handling Process, IIS manager & Creating Virtual Directory, Bin d irectory.

Unit – 3

[18 MARKS]

Server Controls & its type, Basic Web Controls (Label, Button, Textbox, checkbox, radio, hyperlink, link, image button, List box, dropdown -list, checkbox list, radio button list, panel, table, bulleted list), Code behind Class, Compile Code Behind, Introduction to Web.Config File, global.asax, master page, Themes, Auto post back, Web control Events, ASP.Net Application Life Cycle, ASP.Net Page Life Cycle

Unit – 4

[17 MARKS]

Overview of ADO.Net

Database Access in the Internet world, Characteristics of ADO.Net, Differences between ADO & ADO.Net, ADO.Net Architecture (Direct Data Access & DB Connected Data Access), ADO.Net Object model , ADO.Net Object , Data Source Interaction Objects, Retrieving and Manipulating of Data with SQL Server (Select, Insert, Update, Delete)

Overview of Data Binding

Single value Data Binding, Repeated Value Data Binding

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)

- C. Objective / Short Questions
- D. Descriptive / Long Questions

Q-2 – Unit -2 (17 Marks)

- C. Objective / Short Questions
- D. Descriptive / Long Questions

Q-3– Unit -3 (18 Marks)

- C. Objective / Short Questions
- D. Descriptive / Long Questions

Q-4 – Unit -4 (17 Marks)

- C. Objective / Short Questions
- D. Descriptive / Long Questions

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