

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN
THIRD YEAR B.C.A.

BCA 303 : .NET FRAME WORK USNIG C#

Teaching Scheme (per week)		Examination Scheme					
		INT		EXT		TOTAL	
Th. (hours)	Pr. (hours)	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)	Th. (marks)	Pr. (marks)
3	--	30	--	70	--	100	--

Unit 1:-

(17 Marks)

ASP.Net Introduction

- The .Net framework 3.0
- The .Net Languages
- CLR
- Types, Objects and Namespaces
- Settings for ASP.Net and IIS

Unit – 2 :-

(18 Marks)

Developing ASP.Net Application

- Asp.Net Application
- Differences between Web based and Windows based application
- Web From fundamentals
- Web Controls
- Explanation of C#.Net
- Validation and Rich Control
- State Management
- Tracing , Logging and Error Handling

Unit – 3 :-

(18 Marks)

Working With Data

- Overview of ADO.Net
- ADO.Net Data Access
- Data Binding
- The Data list ,Data Grid, and Repeater
- Files , Streams, and E-Mails
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Unit – 4 :-

(17 Marks)

Advanced ASP.Net

- Component-Based Programming
- Custom Control
- Caching and Performance Tuning
- Implementing Security
- Case Studies

Books

1. The Complete Reference ASP.NET
TATA McGRAW-HILL
2. ASP.NET Black Book

Question Paper Scheme:

University Examination Duration : 3 Hours.

- Q.1 - Unit-I (17 Marks)
A. Objective/ Short Questions.
B. Descriptive/ Long questions.
- Q.2 - Unit-II (18 Marks)
A. Objective/ Short Questions.
B. Descriptive/ Long questions.
- Q.3 - Unit-III (18 Marks)
A. Objective/ Short Questions.
B. Descriptive/ Long questions.
- Q.4 - Unit-IV (17 Marks)
A. Objective/ Short Questions.
B. Descriptive/ Long questions.

Note: Options should be given in all questions.