

Hemchandracharya North Gujarat University, Patan

B. Sc. (Sem-I to VI) Programme

Under CBCS-Semester-Grading pattern

List of Elective (Generic) Courses (W.E.F : June 2012)

Each Course of 2 credits and Number of Contact hours = 2 Per Week

(Approximately 24 Contact Hours in Each Semester)

N.B : There are possibilities of Modification in these Course

SEMESTER I

EG-111	Communication Skills
EG-112	Basics of Mathematics
EG-113	Basics of Biology

SEMESTER II

EG-121	Environmental Science
EG-122	Disaster Management

SEMESTER III

EG-211	Personality Development
EG-212	Value Oriented Education

SEMESTER IV

EG-221	Entrepreneurship Development and Small Scale Business Management
EG-222	Human Rights

SEMESTER V

EG-311	Database Management System
EG-312	Indian Constitution

SEMESTER VI

EG-321	Information Technology
EG-322	Naturopathy

Examination Scheme for Elective (Generic) Course

For Generic Courses Other than Computer Courses

Time: **2 Hours**

Theory Examination

Total Marks: **50**

- | | | |
|--------|---|-----------|
| 1. | MCQs (10 out of 12) (Each of 1 Mark) [At least 6 questions from each Unit] | 10 |
| 2 (A) | Short notes (2 out of 3) (Each of 4 Mark) [only from Unit-I] | 08 |
| 2. (B) | Long Question (2 out of 4) (Each of 3 Mark) [only from Unit-I] | 06 |
| 2. (C) | Short Question (6 out of 9) (Each of 1 Mark) [only from Unit-I] | 06 |
| 3 (A) | Short notes (2 out of 3) (Each of 4 Mark) [only from Unit-II] | 08 |
| 3. (B) | Long Question (2 out of 4) (Each of 3 Mark) [only from Unit-I] | 06 |
| 3. (C) | Short Question (6 out of 9) (Each of 1 Mark) [only from Unit-I] | 06 |

Examination Scheme for Elective (Generic) Course

For Computer Courses : EG-311,EG-321

Time: **1.5 Hours**

Theory Examination

Total Marks: **30**

- | | | |
|--------|---|-----------|
| 1. | MCQs (6 out of 9) (Each of 1 Mark) [At least 4 questions from each Unit] | 06 |
| 2 (A) | Short notes (2 out of 3) (Each of 4 Mark) [only from Unit-I] | 08 |
| 2. (B) | Short notes (4 out of 6) (Each of 1 Mark) [only from Unit-I] | 04 |
| 3 (A) | Short notes (2 out of 3) (Each of 4 Mark) [only from Unit-II] | 08 |
| 3. (B) | Short notes (4 out of 6) (Each of 1 Mark) [only from Unit-II] | 04 |

Practical Examination

Examination Pattern for EG-311,EG-321: (Computer Courses)

Time: **1 Hour]**

[Maximum Marks: **20**

- | | | |
|-------|--|-----------|
| 1. | પ્રેક્ટિકલ (2 પ્રેક્ટિકલ સ્વાધ્યાયમાંથી કોઈ પણ 1)
Practical (1 out of 2 practical exercise) | 15 |
| 2. a. | મૌખિક પ્રશ્નોત્તરી. [viva-voce.] | 03 |
| b. | પ્રયોગપોથી [Journal.] | 02 |

Note: * Student will have to note all the steps/procedure related to the practical carried out by him/her in his/her answer book. Due weightage should be given while evaluating the practical. The purpose of this requirement is to create the skill of documentation among the students.

* These answer book will be submitted with the along with the mark sheet to the university by the examiner.

SEMESTER I

EG-111 Communication Skills

EG-112 Basics of Mathematics

EG-113 Basics of Biology

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN					
Programme code :	B.Sc.	Programme Name :	Communication Skills		
Course Code	EG 111	Semester :	I		
Personality Development					
Course type :	Elective Generic	Total credit :	02		
Teaching time (hours)	Examination Marking scheme				
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)	
2	-	-	50	50	

EG-111 Communication Skills

Unit I

Theory of Communication: Definition & process of Communication [3*], Objectives of Communication [6-20**], Barriers to effective Communication [52-61**]

Structure and layout of letters: Elements of structure, forms of layout, Styles of presentation [19-33*]

Modern office technology: Computer, Fax, E-mail, Duplication Technology: Duplication, Photo copy, Printing, Storage Devices [110-117*]

Job application and how to make a resume [78-81*]

Unit-II

Language Work:

1. Tenses, Preposition, Vocabulary, Confusables***
2. Comprehension or précis writing.

Reference Books:

****Essentials of Business Communication**

Publisher: S Chand & Sons By Rajendra Pal and J S Korlahalli Seventh Revised Edition, Reprint 1996

***Business Correspondence and Report Writing**

Publisher: Tata Mac. Co. Ltd By R C Sharma and Krishna Mohan 9th Reprint, 1998.

List of Confusables***

Aboard Abroad	Avoid Evade	Cite Site	Dear Deer	Emigrant Immigrant	Accept Except
Bail Bale	Coast Cost	Defer Differ	Fair Fare	Access Excess	Berth Birth
Complement Compliment	Deficit Deficiency	Foreword Forward	Adapt Adopt	Beside Besides	Confidant Confident
Deny Refuse	Industrial Industrious	Addition Edition	Boast Boost	Continual Continuous	Depose Dispose
Judicious Judicial	Affect Effect	Carton Cartoon	Credible Creditable	Draft Draught	Loose Lose
Itternate Alternative	Check Cheque	Damage Damages	Eligible Illegible		

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Basics of Mathematics	
Course Code	EG112	Semester :	I	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Basics of Mathematics

Unit I

Set Theory and Functions
 Basic definitions of Set Theory
 Methods of representation of Set (Property method, Listing method)
 Set operations (Union, Intersection, Complement of a set, Difference of sets, Symmetric difference, Cartesian product of sets)
 Properties of set operations (Commutative, Associative, Distributive, De -Morgan's laws)
 Power set and Cardinality of sets.

Functions

Introduction of Functions, Definition of function, Domain, Co-domain, Range of a function
 Graph of a functions
 Types of Functions (Linear, Quadratic, Polynomial, Implicit and Explicit functions and examples related with it)
 Exponential and Logarithmic with their properties and related examples, Introduction to Trigonometric functions.

Unit II

Limit

Expansion of concept of Limit, Some Standard Limits (without proof), Continuity of a function, Discontinuity and Examples

Differentiation

Definition of Derivative, Rules for Differentiation (without proof), Differentiation of function of a function,
 Chain Rule, 2nd order derivatives

Integration

Introduction to indefinite integral, Definition of Integration & Methods of Integration, Substitution Methods,
 Some Standard Formulae (without proof) and example based on the standard forms, Introduction to definite integration and simple examples on it

Textbook:

Business Mathematics (Latest Edition)
 Publisher: S. Chand and Sons Publications
 By: V.K.Kapoor
 Reference Book:
 Engineering Mathematics (Third Edition)
 Publisher: Pearson Education
 By: Anthony Croft, Robert Davison, Martin Hargreaves

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Basics of Biology	
Course Code	EG 113	Semester :	I	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Basics of Biology

Unit I

1. Diversity in The Living World
2. Structural Organization in Plant
3. Structural Organization in animals
4. Cell : structure and Functions

Unit II

1. Genetics and Evolution
2. Biology and Human Welfare
3. Biotechnology and Its Applications
4. Ecology and environment

Reference Books

1. NCRT XI standard Biology text book
2. NCRT XII standard Biology text book

SEMESTER II

EG-121 Environmental Science

EG-122 Disaster Management

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Environmental Science	
Course Code	EG 121	Semester :	II	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Environmental Science

Unit I

Environment: Definition of Environment [2*], Institutions and people in Environment Preamble [10-16]

Natural Resources: Atmosphere [19], Hydrosphere [19], Lithosphere [20], Biosphere [20]

Forest resources: Use and over exploration [25], deforestation [26] and function [27].

Water resources: Introduction [28], over utilization and pollution of surface and ground water [29], water for agriculture and power generation [31], sustainable water management [31], Dams and problem caused by dams [32],

Mineral resources: Introduction [33], Mine safety [34], environmental problems [35],

Land resources: Introduction [55], degradation and erosion [56]

Energy sources: Hydroelectric power: Introduction [43] and its drawbacks [44]

Solar energy: Solar cookers [46], photovoltaic energy [47]

Biomass energy: Introduction [48], biogas [49]

Wind energy [50-51], Tidal and wave power [51], Geothermal energy [52]

Unit II

Ecosystem and Biodiversity:

Structure and function of an ecosystem: Introduction [62], producers, consumers and decomposers [63]

Energy flow in the ecosystem [65],

Biogeochemical Cycles: Water cycle [65], Carbon cycle [65], oxygen cycle [66], nitrogen cycle [67], energy cycle [67]

Food chains, webs and ecological pyramids [69]

Forest types in India [73-75]

Biodiversity: Definition [92], Genetic [92], species [92] and ecosystem diversity [93], Biogeographic classification of India [94], Value of biodiversity [95], India as a mega diversity nation [101], Hot spots [102], Conservation of Biodiversity [120-126]

Major reading:

(* Page Number from) **Erachs Bharucha** (2008, first edition) **Paryavaran Adhyayan** [Gujarati], Orient Longman Pvt. Ltd., Hyderabad.

Distributor: M/S Himanshi book company, 06 -07 Shri Jayendrapuri Bhavan, Ellisbridge, New Sanyas Ashram, Ahmedabad – 380 006.

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Disaster Management	
Course Code	EG-122	Semester :	II	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Disaster Management

Unit I

General concept of disaster management : Introduction [83*, 90**, 178***], Primary concept [85-86*, 91-93**], from management to mitigation of disaster [179***], risk assessment and vulnerability analysis [180***], public awareness and training [181***], structural and constructional reinforcement of existing buildings [182***], causes of disaster [89*], effects of disaster [90*]

Pre disaster management: Significance of disaster preparedness [98*], various steps/arrangement during pre disaster management [95-98*]

Unit II

Management during disaster and post disaster : Management during and after disaster [94*], earth quake [94**, 183***], drought [97**], diseases [100**], flood [182***], cyclones [184***], land slides [185***], measures to mitigate accidental disaster [101 -102**]

Cycological health and ill condition of affected people : Introduction [106*, 105**], effect of natural calamities [107*, 106**], psychological health and mental therapy [108 -110*, 106-108**], social awareness and support [111*, 109 -110 **]

Major reading:

(* Page Number from) **Modi C D** & others (2006) **Paryavaran and Aapatti Vyavasthapan** [Gujarati], Swami prakashan, Patan-384265

(** Page Number from) **Patel J C** (2006) **Paryavaran and disaster management** [Gujarati], Parshwa publication, Ahmedabad-380001

(*** Page Number from) **Erachs Bharucha** (2008, first edition) **Paryavaran Adhyayan** [Gujarati], Orient

Longman Pvt. Ltd., Hyderabad.

Distributor: M/S Himanshu book company, 06-07 Shri Jayendrapuri Bhavan, Ellisbridge, New Sanyas Ashram, Ahmedabad – 380 006.

Other reading

K Ramana Murthi, 2004 Disaster Management, Dominant Publishers and Di stributors, New Delhi -110002

SEMESTER III

EG-211 Personality Development
EG-212 Value Oriented Education

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Personality Development	
Course Code	EG - 211	Semester :	III	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Personality Development

Unit 1

1. What is Personality?
2. Theories of Personality
3. Psychoanalytical theories
4. Trait theories; Behaviourist view ; Skinner; Social learning theory; Phenomenological perspectives

Unit 1

1. Personality Development: Physical Aspects for Male and female
2. Hygiene, Habits and Fitness
3. Communicating Skills
4. Non-verbal Communication

Reference Books

IGNOU study material for Personality development

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Value Oriented Education	
Course Code	EG 212	Semester :	III	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Value Oriented Education

Objective:

The Main Objective Of The Syllabus Of Value Education Is To Create Awareness Regarding ,The Personal Moral Values , Social Values And Indian Culture Among The Students. It Also Aims To Create Syllabus Awareness Regarding The Professional Ethics Among Them. The Ultimate Aim Of The Syllabus Is To Create Love And Faith For Value ,Ethics And Our Reach Culture.

UNIT :1

- Humanity And Humanitarian Approach.
- Value , Ethics And Principal – Meaning And Importance.
- Personal Character And Merits-
Truth Love Faith, Sympathy ,Mercy Kindness, Grace, Honesty, Purity ,Simplicity, Good Feeling And Positive Attitude.
- Human Capital And Character Building Through Education, Importance Of Labour And Basic Services In The Society.
- Some Part Of Autobiography And Biography Of Some Great Leaders Of The Society- Mahatma Gandhi, Swami Vivekananda, And Lord Ram, Mother-Teresa, Dr. Abdul Kalam

UNIT :2

- Indian Culture –Main Features /Characteristics .
- Faith In Supreme Power(Almighty)
- Spirituality , Ethics, Yoga, Meditation
- Principal Of Karma –Message Of Geeta
- Love For Nature &Environment
- Tolerance And Diversity ,Unity And Diversity
- Vasudhaiv Kutumbkam (Brotherhood To The Mankind)
- Duty Towards Parents And Elders.
Matru Devo Bhava, Pitru Devo Bhava,
Acharya Devo Bhava, Atithi Devo Bhava.
- Joint Family And Institution Of Marriage-Importance And Merits –Family Hood
- Nary Tu Marayani- Honor To The Female

Reference book

1. Experiment with the truth –M.K. Gandhi- Navjivan Prakashan, Ahmedabad
2. ; JMI VG[IX1F6v DGJEF. 5RM, L
3. URWLHL GJIX1F6 NXG VDFG H XaNMDF\ v DPHIP58j
4. DMTLEF. 58j v IJ` JGF XjIF6S ગુરુત્તમ GJL TF, LDGF 5F1 FGF TtJM GM I: JSFZ4SM01j VMS8MIAZ vZ_! Z
5. Any book on “ Value education” related to the above topics which covers both the units.

SEMESTER IV

EG-221 Entrepreneurship development and Small scale business management

EG-222 Human Rights

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Entrepreneurship Development and Small Scale Business Management	
Course Code	EG221	Semester :	IV	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)		Examination Marking scheme		
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Entrepreneurship Development and Small Scale Business Management

Unit I

1. Entrepreneurship -Concept and Theories
2. Entrepreneurship Development
3. Steps in Setting Up a Small Business Enterprise
4. Small Business Analysis Skills and Market research

Unit II

1. Preparation of Business plan
2. Financial management issues in SSE
3. Operational management issues in small scale enterprise
4. Marketing Management Issues in SSE

Reference book

IGNOU study material for entrepreneurship course

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Human Rights	
Course Code	EG 222	Semester :	IV	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Human Rights

UNIT:1

1. Meaning And Evolution Of Human Rights , Nature ,Concept Development & Importance
2. Human Rights In India : Civil and Political Rights International Documents

UNIT:2

1. Social & Economics Rights
2. Implementation of Human Rights
3. Human Rights Agencies: Structure, And Organization
 - (i) National Human Rights Commission
 - (ii) National Commission For Women
 - (iii) Special Commissions For Weaker Sections-SC,ST And OBC

Books Recommended

1. C.Jamnadas & co. – Concept of Human Rights
2. Deep & Deep Publication –Human Rights
3. Eastern Book Agency –Human Rights
4. C.J. Nirmal (Ed.), *Human Rights In India: Historical, Social And Political Perspectives* New Delhi: OUP, 2000, Reprint Of 1995.
5. Centre For Development And Human Rights, *The Right To Development: A Primer* New Delhi: Sage, 2004
6. V.T. Thamilmaran, *Human Rights In Third World Perspective* New Delhi: Har Anand, 1992
7. G.S. Bajwa, *Human Rights In India: Implementation And Violations* New Delhi: Anmol, 1995
8. R.C. Hingorani, *Human Rights In India* New Delhi: OUP And IBH, 1985
9. Aftab Alam (Ed.) *Human Right In India: Issues And Challenges* Delhi: Raj, 2000
10. Amnesty International, *Human Rights In India* New Delhi: Vistaar, 1993
11. Sunita Samal, *Human Rights And Development In Emerging World Order* New Delhi: Kanishka, 2003.
12. Tim Dunne And Nicholas J. Wheeler (Eds.), *Human Rights In Global Politics*, Cambridge University Press, Cambridge, 1998

SEMESTER V

EG-311 Database Management System

EG-312 Indian Constitution

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Database Management System	
Course Code	EG 311	Semester :	V	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	20	30	50

Database Management System

Unit I

1. Properties of a Database
2. Prevalent Database Models
3. Conceptual Database Design Components
4. Logical/Physical Database Design Components

Unit II

1. Getting Started in Microsoft Access
2. The Microsoft Access Relationships Panel
3. The Microsoft Access Table Design View
4. Creating Queries in Microsoft Access

Reference Book

Database demystified : A self-teaching guide, Andrew J. (Andy) Opperl, McGraw-Hill Publication

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Indian Constitution	
Course Code	EG 312	Semester :	V	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Indian Constitution

Unit I

Preamble: Preamble of the constitution [1*] and its importance [2]. Important words used in Preamble: Sovereign [3], Socialist [3], Secularism [4], Democratic [4], Republic [5], Fraternity [5], Equality [5], Liberty [5]. Federal system and its main characters [8]. The Constitution of India whether Federal? [9].

The Union and its Territory: The Union and its Territory [13], Admission of new states [14], Formation of new states and alteration of areas, boundaries or names of existing states [14].

Fundamental Rights and Duties: Fundamental Rights: Only Six-types (only names) [26], Fundamental Rights and Human Rights [26]. Fundamental Duties [93].

Unit II

The Union: Qualifications for The President of India [96], Executive power of the Union [96], Constitutional position of The President [97], Election of President [98], Powers of the President [99-103]. The Vice President of India [104], Election of Vice President [104 - 05], Council of Ministers: Council of Ministers to aid and advise President [106], Other provisions as to Ministers [106-109].

Parliament: Constitution of Parliament [116], Composition of the Council of States [116], Composition of the House of the People [117], Duration of Houses of Parliament [118], Qualification for membership of Parliament [119]. The Chairman and Deputy Chairman of the Council of States [121], The Speaker and Deputy Speaker of the House of the People [122], Joint sitting of Both Houses in Certain Cases [134 -136].

The Union Judiciary: Establishment and Constitution of Supreme Court [148-151], Original Jurisdiction of Supreme Court [153], Advisory Jurisdiction of Supreme Court [164], Comptroller and Auditor General of India [168].

Major reading:

(* Page Number from) **Karia A N** (2010-11) **Bharatiya Bandharan**, C. Jamnadas's Co., C-18, Madhupura
Market, Near Office of the Police Commissioner, Shahibaug Rd., Ahmedabad -380 004
(Phone: 30289001)

Other readings:

NCERT Book For Class XI : Indian Constitution at Work Political Science .

<http://www.upsportal.com/civilservices/ncert-books/class-xi-indian-constitution-at-work-political-science>

SEMESTER V

EG-321 Information Technology

EG-322 Naturopathy

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Information Technology	
Course Code	EG 321	Semester :	VI	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	20	30	50

Information Technology

Unit I

1. introduction to information technology
2. information technology: an overview
3. Basics of Internet : Introduction, History, Internet Management, Definitions of Internet , Growth of Internet,
4. Accessing the Internet and Internet Service Providers (ISPs)

Unit II

1. Internet services : Introduction, World Wide web, How does web work, Web server, Web browsers,
2. Mark-up Languages and Internet Applications
3. Internet Information Resources
4. Search Engines

Reference Books

IGNOU study material for Information technology

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN				
Programme code :	B.Sc.	Programme Name :	Naturopathy	
Course Code	EG - 322	Semester :	VI	
Personality Development				
Course type :	Elective Generic	Total credit :	02	
Teaching time (hours)	Examination Marking scheme			
Theory (hrs)	Practical (hrs)	Internal (Marks)	External (Marks)	Total (Marks)
2	-	-	50	50

Naturopathy

Unit:1

- 1.1 પાકીતક +વન - આરોગ્યની કાવલ, પેતિવો
- 1.2 તિવ/રોગો - ચરદી, તાવ, ઝાડા,]ી ડી,]ી કા, માદુરવાં ચરિર દુગ્ધ
- 1.3 +` Rોગો - બઠા 4વલ, કાસી, વાઝ, સો=૦ આરોગ્ય આવવલ
- 1.4 +વનનસવદુર -]ી ઓનુ} સુદબા` , કામડીના રોગો,
કોલ યાંત્રિક, આંતર, વઝીવ

Unit:2

- 2.1 સુપ્તન, પા` યામ, યોગ
- 2.2 સ્પાનિ કોડી, કડી સ્નાન, સડીમ બા4
- 2.3 માડી સ્નાન, આંમા, માલિ સ, મસાજ
- 2.4 ઇન્ડોકાર્નલ સ્ફટા -કમલ , આમવાત, મડી, સ્ફે દાગ, સડીતા ડમ

સંવર્ણિય

૧. ડાર+તે, આરોગ્યની કાવલ +વનનસવદુર આરોગ્યની કાવલ, પેતિવો
૨. ગાડી, આરોગ્યની કાવલ, નવ+વન પકાચન મિદર. આમવાત-ઈ
૩. ડી વલ. પ. ઇગ્દવા`]ી કડી]ી કાર્નલ કમલ : પાંચ દી પકાચન. આમવાત-ઈ