

SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR
B.Sc. Home Science
(Under Choice Based Credit Scheme) (Effect from June, 2022-23)
Semester - THIRD (GENERAL)

Course Type	Course Code (10 Digit)	Name of Course	Theory (T) Practical (P)	Credit	Contact hrs/ week	Exam Duration in hrs	Marks		
							Internal	External	Total
Ability Enhancement Courses	UH03AHSC51	Communication and Extension	T	2	2	2	15	35	50
	UH03AHSC52	Communication and Extension	P	2	4	3	15	35	50
Core Courses	UH03CGEN51	Family Finance and Consumer Studies	T	4	4	3	30	70	100
	UH03CGEN52	Family Finance and Consumer Studies	P	2	4	3	15	35	50
	UH03CGEN53	Clothes, Self and Family	T	4	4	3	30	70	100
Skill Enhancement Courses	UH03SGEN51	Food Preservation	T	4	4	3	30	70	100
	UH03SGEN52	Food Preservation	P	2	4	3	15	35	50
	UH03SGEN53	Basics of Clothing Construction	P	2	4	3	15	35	50
Elective Courses (Any One)	UH03EHSC51	Effective Speaking and Writing	P	2	4	3	15	35	50
	UH03EHSC52	Health & Herbs	P	2	4	3	15	35	50
	UH03EHSC53	Landscaping and Gardening	P	2	4	3	15	35	50
	UH03EHSC54	Yoga and Meditation	P	2	4	3	15	35	50
		Total		24	34		180	420	600



Bachelor of Science -Home Science
(B.Sc. - H. Sc.) (Home Science) Semester (III)

Course Code	UH03AHSC51	Title of the Course	Communication and Extension
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Enable to understand the importance of communication in their day to day life2. Acquaint the students with the types of communication and process of communication.3. Shape the students future as a better citizen in the social networking.4. Perceive the importance of extension education
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	<p>Communication Concept</p> <p>(a) Meaning and importance of communication</p> <p>(b) Elements of Communication – three elements – source, message, receiver, four elements – encoding, decoding, sender and receiver, five elements – communicator, communicate, message, channel and feedback</p> <p>(c) Means of Communication – Oral, Written, Sign / signal, action, object</p> <p>(d) Types of Communication – Formal and Informal Communication</p> <p>(e) Pattern - one way, two way, circular</p> <p>(f) Barriers to Communication – semantic, psychological, organizational and personal</p>	30
2.	<p>Communication media –</p> <p>(a) Print and electronic media</p> <p>(b) Advantages and Limitations of communication media</p>	15
3.	<p>Effective Communication</p> <p>(a) Characteristics – Clear, correct, complete and precise message, reliability, consideration of the recipient</p> <p>(b) skills – Observance, clarity and Brevity, Listening and Understanding, self-efficacy and self confidence</p> <p>(c) Significance – Team work, Team building, problem solving and decision making skills, facilitate creativity and reduces</p>	25





	misunderstanding (d) Concepts relating to communication – perception, fidelity, communication gap, Empathy, Homophily, heterophily	
4.	Unit-IV. Communication and Extension (a) Concept, need, functions, principles and scope of extension (b) Steps in extension teaching (c) Communication methods in extension :group method, mass method and individual method (d) Advantages and limitations of communication and extension (e) Approaches: General Extension, Commodity specialized, Training and visit, Agricultural, Extension participatory, project, farming systems development, cost sharing and Educational Institution approach	30

Teaching-Learning Methodology	Lecture Method, Questions-Answer method, Discussion method, Brainstorming method, Observational method, Use of ICT
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Improved personal relations with immediate and extended communication.
2.	Function more effectively & assertively in public and work environment.
3.	Identify their strengths & weaknesses and improve on weakness.
4.	Better equipped to use media in their professional endeavours

Suggested References:





Sr. No.	References
1.	Sharma, S. R. (1998). <i>Extension Education</i> . Omsons Publications.
2.	Kumar, K. J. (2000). <i>Mass communication in India</i> (Vol. 741). Jaico publishing house.
3.	Rayudu, C. S. (2011). <i>Media and communication management</i> . Himalaya Publishing House.
4.	Mody, B., & Rolston, M. (1991). <i>Designing messages for development communication: An audience participation-based approach</i> . New Delhi: Sage Publications.
5.	Kotler, P. (2006). <i>Marketing Management</i> . India: Pearson Education

On-line resources to be used if available as reference material

On-line Resources

Epgp.inflibnet.ac.in/Home





Bachelor of Science -Home Science
(B.Sc. - H. Sc.) (Home Science) Semester (III)

Course Code	UH03AHSC52	Title of the Course	Practical - Communication And Extension
Total Credits of the Course	02	Hours per Week	04
Course Objectives:	<ol style="list-style-type: none">1. Develop skill for effective communication and Extension.2. Develop an ability to communicate in various situations.3. Prepare suitable communication aids for educating community.4. Learn the importance media in development communication5. Acquire skills on Information Education and Communication (IEC) technologies and media		

Course Content		
Unit	Description	Weightage* (%)
1.	Communication modes for rural and urban communities: Making charts / posters / cartoons	10
2.	Preparing leaflets / folders / handouts	10
3.	Demonstration/ techniques or any innovative method for Communication (Games).	10
4..	Preparing scripts for role play/ street play/ puppet shows /Radio and T.V talk show	10
5.	Preparing puppets for puppet show.	10
6.	Creative writing: Column and article Writing	10
7.	Skills in Letter writing	10
8.	Presentation Skills : Making PPT.	10
9.	Prepare a questionnaire for the community to understand their felt and unfelt need	10
10.	Organizing an exhibition of various products related to their respective field.	10

Teaching-	Questions-Answer method, Discussion method, Brainstorming method,
-----------	---





Learning Methodology	Observational method, Role-playing method, Brainstorming method Survey method
----------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand the concept related to communication and extension for development
2.	Focus on different types of media and its uses in the implementation of programme
3.	Analyze the ICT in development communication

On-line resources to be used if available as reference material
On-line Resources
Epgp.inflibnet.ac.in/Home





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (General) Semester (III)

Course Code	UH03CGEN51	Title of the Course	Family Finance and Consumer Studies
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. To identify the importance of wise use of money as a resource.2. To develop an appreciation for financial management in family living.3. To appraise the role of consumers in the Indian economy.4. To create awareness about marketing conditions, rights and responsibilities of consumers
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Household income and expenditure (a) Household income (b) Factors influencing expenditure pattern, Engel's law (c) Supplementation of Family income (d) Budgeting	20
2.	Family Savings and Credit practices Financial security arrangements: Family savings and investments- need, principles, channels of investment (a) Savings and savings institutions, merits and demerits of each (b) Guidelines for wise savings practices (c) Consumer credit- Concept, meaning, need, sources, credit cards, credit services availed by the family members, types of loans availed by families (d) Mortgages: Definition and conceptual meaning, significance in meeting emergent needs of expenditure (e) Personal finance management :Tax implications, Calculation of personal income tax	20
3.	Consumerism in India : (a) Definition, Types of consumer problems (Products and service), Causes and solution (b) Consumer aids: classification – Labels, Trademarks, Brand Names, Patents, Warranty, Guarantee, Quality Control and After Sales Service	20





	(c) Role of advertisements influencing consumer behaviour	
4.	Green Consumerism- Meaning and importance with respect to consumerism, need, consideration in daily consumption and significance, ethos of adopting sustainable/eco-friendly lifestyle as green consumers.	20
5.	Consumer protection (a) Concept, need and significance (b) Consumer rights and responsibilities in India (c) Basic legislative framework for consumer protection in India- Consumer Protection Act 1986 (COPRA) , Alternative redressal mechanisms, Mediation centres (d) Standardization and quality control measures: Role of ISI, FPO, AGMARK, ISO, Eco mark, Wool mark, Silk mark, Cotton mark, Handloom mark, BEE Star labelling and others (e) Consumer Protection Act 2019	20

Teaching-Learning Methodology	Participatory lectures with active learning, reflective learning, written exercises, collaborative learning, problem solving, lectures(black-board and chalk), tutorials, library use and e-learning through videos coupled with market survey, field-based learning, Assignments
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand the importance of wise use of money as a resource.
2.	Develop an appreciation of role of financial management in family living.
3.	Understand the role of consumer in the market.
4.	Become aware of marketing conditions, rights and responsibilities of consumers.





5.	Recognize the problem while purchasing goods / services from market.
----	--

Suggested References:

Sr. No.	References
1.	Ogle, N., Srinivasan, K., Varghese, M.A. (1996). <i>Home Management</i> , New Delhi: New Age International House.
2.	The Educational Planning Group Delhi. (1993). <i>Home Management</i> . New Delhi: Arya Publishing House.
3.	Shukul, M. and Gandotra, V. (2006). <i>Home Management and Family Finance</i> . New Delhi: Dominant Publishers and Distributors.
4.	Sawhney, H. K., and Mital, M. (2007), <i>Family Finance and Consumer Studies</i> . New Delhi: Elite Publishing House Pvt. Ltd.
5.	Sarkar, A. (1989). <i>Problems of Consumer in Modern India</i> . Delhi: Discovery Publishing House.
6.	Agarwal, Anju (1989). <i>A Practical Handbook for Consumer</i> . Bombay: India book house.

On-line resources to be used if available as reference material

On-line Resources

Consumer handbook https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook_H.pdf

Consumer handbook https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook.pdf





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (General) Semester (III)

Course Code	UH03CGEN52	Title of the Course	Practical-Family Finance and Consumer Studies
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. To comprehend the importance of wise use of money as a resource.2. To develop an appreciation for financial management in family living.3. To appraise the role of consumers in the Indian economy.4. To create awareness about marketing conditions, rights and responsibilities of consumers.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	To understand the types of income and their sources along with supplementation of existing income	05
2.	To prepare customized budget for families with specified income and goals.	10
3.	To find out current saving and investment schemes from various financial institutions.	05
4.	Learning to fill various forms and digital mode of money transfer	10
5.	To make students aware about consumer rights and responsibilities.	05
6.	To study the malpractices existing in the market.	05
7.	To evaluate and design informative and attractive labels for different type of products.	10
8.	To discuss advantages and disadvantages of various packaging materials.	10
9.	To distinguish various quality marks by drawing logo and colour of logo	10
10.	To understand the three tier redressal mechanism under COPRA	10
11.	Visit to consumer Forums and consumer courts to understand their operational procedures	05





12.	Debates/discussions on: Consumer credit, Online shopping, Debit cards/credit cards	05
13.	Calculate taxable income and accruing tax for an individual whose occupation, monthly income, savings and like are specified	10

Teaching-Learning Methodology	Active learning, reflective learning, written exercises, collaborative learning, problem solving, Discussions and display of various materials, e-learning coupled with market survey ,field-based learning, Assignments,
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand the importance of wise use of money as a resource.
2.	Develop an appreciation of role of financial management in family living.
3.	Understand the role of consumer in the market.
4.	Become aware of marketing conditions, rights and responsibilities of consumers.
5.	Recognize the problem while purchasing goods / services from market.

Suggested References:	
Sr. No.	References
1.	Ogle, N. Srinivasan, K. and Varghese, M.A. (1996). <i>Home Management</i> . New Delhi:





	New age International House.
2.	The Educational Planning Group Delhi. (1993). <i>Home Management</i> . New Delhi: Arya Publishing House.
3.	Shukul, M. and Gandotra, V. (2006). <i>Home Management and Family Finance</i> . New Delhi: Dominant Publishers and Distributors.
4.	Sawhney, H. K. and Mital, M. (2007). <i>Family Finance and Consumer Studies</i> . New Delhi: Elite Publishing House Pvt. Ltd.
5.	Sarkar, A. (1989). <i>Problems of Consumer in Modern India</i> . Delhi: Discovery Publishing House.
6.	Agarwal, A. (1989). <i>A Practical Handbook for Consumer</i> . Bombay: India book house
7.	Rani, A. (2011). <i>Home Budget and Time Management</i> . New Delhi: Sonali Publications.

On-line resources to be used if available as reference material

On-line Resources

Consumer handbook https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook_H.pdf

Consumer handbook https://consumeraffairs.nic.in/sites/default/files/file-uploads/consumer_information/Consumer_Handbook.pdf





Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (General) Semester (III)

Course Code	UH03CGEN53	Title of the Course	Clothes, Self and Family
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Impart knowledge for selection of family clothing with reference to age, occasion, figure type and special needs.2. Develop consumer awareness in clothing3. Acquire knowledge of wardrobe, its storage and care
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Clothing for the family (a) Clothes as per age - infants, children, adolescent, teenage, young adults, adult, elderly (b) Clothes and occasion- office wear, casual wear, evening wear, travel, sports	25
2.	Clothes and figure (a) Clothes as per figure type (b) Formal and informal wear	15
3.	Clothes for people with special needs (a) Physically handicapped (b) Blind (c) lactating mother (d) pregnant lady	20
4.	Wardrobe and wardrobe planning (a) Essentials of a basic wardrobe (b) Wardrobe analysis and organization (c) Wardrobe style identification (d) Organization and categorization of wardrobe	20
5.	Storage and care of garments (a) Tips of garment maintenance (b) as per occasion as per the textile fabrics	10
6.	Personal shopping (a) Preview of apparel / accessory stores ad brands in context to	10





	style, size and budget (b) Optimizing wardrobe	
--	---	--

Teaching-Learning Methodology	Using demonstration Blackboard and smart board power point presentation, through teaching aids as charts, figure discussion and analysis of actual home textile analyses
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Select material, color and style suitable to the family member of various age groups and special needs.
2.	Build a positive personality selecting garments as per their figure.
3.	Store and take proper care of garments and enable them to develop self-sufficient wardrobe.

Suggested References:	
Sr. No.	References
1.	Tate and Glisson, (1961). <i>Family Clothing</i> .
2.	Natie, B.(1970). <i>Dress Pattern Designing</i> . London , Cross lockwood & Son Ltd.
3.	Doongaji & Deshpande.(1970). <i>Basic Processes and Clothing Construction</i> , Delhi, New Raj Book Depot.





4.	Wingate, I.B. (1976). <i>Textile Fabrics and Their Selection</i> . New Jersey, Prentice Hall Inc
5.	Alexander. (1977). <i>Textile Products, Selection, Use & Care</i> . Boston, R.R Houghton Mifflin Co.
6.	Pandit, S.& Elizabeth,T.(1972). <i>Grooming Selection & Care</i> . Baroda , Unity Printers
7.	Wingate, I.B. (1988). <i>Dictionary of Textiles</i> . Bombay. Universal Pub. Corporation
8.	Natlle, B. (1997). <i>More Dress Pattern Designing</i> . Blackwell Science
9.	Jacob, A. (1998). <i>The Art of Sewing</i> . New Delhi, B.S. Publishers Ltd,
10.	Bytra, C. (1969). <i>How You Look and Dress</i> . Webster Division, McGraw Hill Co.
11.	Katharine, H. <i>Textiles Fibers And Their Use</i> . Bombay, Oxford of IBH
12.	Zarapkar, K.R. <i>Zarapkar-System Of Cutting</i> . Bombay.
13.	Aldrich, F. <i>Matric Pattern For Women's wear</i> .
14.	Magazines related to Textiles and Clothing – Apparel, Cloths line, Cloth Market, The Indian Textile Journal





Bachelor of Science- Home Science
(B.Sc. - H. Sc.) (General) Semester (III)

Course Code	UH03SGEN51	Title of the Course	Food Preservation
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Acquire knowledge regarding principles and methods of preserving foods.2. Acquire knowledge concerning nutritive value of preserved foods, Food adulteration, food standards and packaging.3. Develop ability in preparing and preserving various foods by household methods.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	(a) Introduction to food Preservation, Principles, Techniques used and its importance. (b) Principals involved in preserving foods by different methods, preservation by salting, sugar, chemicals, fermentation antibiotics & irradiation & heat. (c) Cereal, Pulses & Products (one cereal, one millet & one pulse): Preservation of cereals, Pulses and its products, Steps involved in preservation of various products.	25
2.	Preparation of different products for preservation: (a) Fruit juice, Squashes: Types of fruit beverages , Steps involved in preparation and preservation , Preservatives used. (b) Jams, Jellies and Marmalades: Composition, Pectic substances present in fruits, Fruits rich in pectin and acid, Methods of determining pectin content in fruit extract, Extraction of pectin from fruit, Theory of jelly formation, Difficulties in jelly making	25
3.	Preserves & candies: Steps involved in preparation & preservation (a) Tomato products: Different tomato products, Effect of heat on tomato pigments. (b) Chutneys & Sauces: Types of sauces, Methods of preservation of chutneys & sauces. (c) Pickling: Principles involved , Action of Preservatives ,Types of	25





	Pickles , Spoilage of pickle.	
4.	Processing methods for food preservation: (a) Canning & bottling steps involved, Principle of processing acid & non acid foods(one each) (b) Preservation by use of low temperature, Principles involved, Types of low temperature, Storage, Types of freezing, changes during freezing & thawing, Types of containers used. (c) Drying & dehydration, Principle involved in methods of drying & dehydration, Different types of driers, freeze drying, packing & storage.	20
5.	By- Products Utilization: Different types of by-products from fruits and vegetables, Different types of by-products from cereals and pulses.(also include recent researches)	5

Teaching-Learning Methodology	Chalk and duster, Lecture Method, Questions-Answer method, Discussion method, Brainstorming method, Observational method, Use of ICT
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Develop skill of food preservation by different methods
2.	Preserve food on small scale industry and household purpose and can learn about by products.





Suggested References:

Sr. No.	References
1.	Kalia, M., Kalia, M., & Sood, S. (2004). <i>Food preservation and processing</i> . Kalyani Publishers.
2.	Srivastava, R. P., & Kumar, S. (2007). <i>Fruits and vegetables preservation-principles and practices</i> , (Edn 3), International Book Distribution Company.
3.	Lal, G., Siddappa, G. S., & Tandon, G. L. (2011). <i>Preservation of fruits and vegetables</i> . Publications and Information Division, Indian Council of Agricultural Research.

On-line resources to be used if available as reference material

On-line Resources: Egpp.inflibnet.ac.in/Home





Bachelor of Science-Home Science
(B.Sc. - H. Sc.) (General) Semester (III)

Course Code	UH03SGEN52	Title of the Course	Practical-Food Preservation
Total Credits of the Course	02	Hours per Week	04
Course Objectives:	1. Acquire knowledge regarding Principles of methods of preserving foods. 2. Acquire knowledge concerning nutritive value of preserved foods. 3. Learn about the food adulteration and food standards 4. Develop ability in preparing & preserving various foods by household and commercial methods.		

Course Content		
Unit	Description	Weightage* (%)
1.	Sterilization of equipment.	10
2.	Labelling and costing of Preserved Products.	10
3.	Preparation of fruit products: Fruit juice, squash and fruit juice cordial.	10
4.	Preparations of mix fruit jam, jelly - compare and find the difference.	10
5.	Preparation of pickles: mixed vegetables and lemon pickle	10
6.	Preparation of tomato products: ketchup, sauce and chutney.	10
7.	Preparation of instant mixes: upma/dhokla/wadas	10
8.	Preparation of dehydrated products: Cereals, pulses, vegetables, fruits, roots and tubers (one product each)	10
9.	Freezing of fruits and vegetables.	10
10.	Reconstitution of dried vegetables.	10

Teaching-Learning Methodology	Demonstration Method, Questions-Answer method, Discussion method and Vedio Clips.
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2022-2023

1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to

1.	Learn skills of food preservation by different methods on household and commercial basis.
2.	Acquainted with basic principles involved in food preservation.

On-line resources to be used if available as reference material

On-line Resources: Epgp.inflibnet.ac.in/Home





Bachelor of Science - Home Science
(B.Sc. - H.Sc.) (General) Semester (III)

Course Code	UH03SGEN53	Title of the Course	Practical- Basics of Clothing Construction
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Develop skills in clothing construction techniques2. Knowledge on basic industrial constructions techniques for sleeves, collars, pockets, plackets, zipper attachments.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Preparing samples of the following: Types of collars – straight band, peter pan, flat, shirt	15
2.	Types of Sleeves - set in, puff, flared bottom, cape, raglan	15
3.	Types of plackets – Continuous opening, skirt placket, full opening.	20
4.	Types of pockets - patch, welt, side-slit inset, waist line, flap	20
5.	Types of Flies – Children trouser, adult trouser	20
6.	Types of zipper attachments - Invisible, metal	10
7.	Make a portfolio of the drafts and samples done.	-

Teaching-Learning Methodology	Demonstration, Sample making Actual sample collection and discussion Survey Portfolio preparation of drafts and samples
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%





2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to

1. Develop understand and skills in basic techniques of apparel construction.

...

Suggested References:

Sr. No.	References
1.	Zarapkar, K.R. <i>Zarapkar System Of Cutting</i> . Bombay.
2.	Aldrich, F. <i>Matric Pattern For Women's wear</i> .
3.	Jacob, A.(1998). <i>The Art of Sewing</i> . New Delhi, B.S. Publishers Ltd.
4.	Tate and Glisson .(1961). <i>Family Clothing</i> .
5.	Natalie, B.(1970). <i>Dress Pattern Designing</i> . London, Cross lockwood & Son Ltd.
6.	Doongaji & Deshpande. (1970). <i>Basic Processes and Clothing Construction</i> . New Delhi, Raj Book Depot.





Bachelor of Science-Home Science
(B.Sc.-H. Sc.) (Home Science) Semester (III)

Course Code	UH03EHSC51	Title of the Course	Practical-Effective Speaking and Writing
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Give an overview of the different skills of communication2. Generate awareness regarding the importance of writing skills3. Familiarise students with the importance of listening skills4. Sensitize students with the presentation skills
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Basics of Effective Speaking Class introduction (Individual)	05
2.	VERBAL COMMUNICATION (WRITTEN) Elements of Effective Writing -The Sentence, Phrases and Clauses, Types of Sentences, Importance of Bullets, Highlighters, Subheading and Punctuations.	15
3.	(a) Writing skills-Picture description and completion of a story (b) Writing skills-paragraph writing (c) Report writing, Notice writing, note making,	15
4.	VERBAL COMMUNICATION (ORAL-AURAL) Listening Skills-Purpose of Listening, listening to conversation (Formal and Informal), Benefits of Effective Listening, Barriers to Listening, Traits of a good listener Listening skills Listening to Announcements- (a) (railway/ bus stations/ airport /sports announcement/ commentaries) (b) Academic Listening (Listening to Lectures) (c) Listening to Talks (d) Note Taking Tips	15
5.	(a) Non-Verbal Communication Personal Appearance, Gestures, Postures, Facial Expression, Eye Contact, Body Language (Kinesics), Time language, Silence, Tips for Improving Non-Verbal Communication, (b) Ways and Approaches of Addressing Public Overcoming Stage Fear, Up-beat Body Language, Audience Analysis,	15





	Analysing Impact and Influence of Speech on Audience, Taking Appropriate Pauses, Verbal and Visual Support i. Story telling ii. Impromptu	
6.	Practising Reading skills	10
7.	Telephonic conversation	10
8	(a) Awareness about Latest Multimedia Tools and its Applications, Etiquettes and Mannerism i. Presentation skills ii. Email writing	15

Teaching-Learning Methodology	Writing Assignments, Impromptu Exercises, Listening to Audio Tapes, Video Clips, Use of ICT Materials, Experiential Learning, Demonstration, Worksheets
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Write different types of letters
2.	Demonstrate the speaking skills by story telling, impromptu speeches
3.	Understand the nuances of presentation skills
4.	Understand the importance of listening skills





On-line resources to be used if available as reference material

On-line Resources

[Bookboon Premium](#)

<https://www.tcd.ie/>





Bachelor of Science-Home Science
(B.Sc.-H. Sc.) (Home Science) Semester (III)

Course Code	UH03EHSC52	Title of the Course	Practical - Health and Herbs
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Help students learn about our Herbal Wealth in nature.2. Familiarize the students about Herbs and their prophylactic uses.3. Teach the students about the alternative Herbal remedies and treatment of common diseases.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	History of Herbs and indigenous system of medicines Use of Herbs for Optimal Health.	10
2	Factors influencing cultivation of medicinal plants Cultivating medicinal plants in the garden	10
3	Factors influencing cultivation of kitchen herbs Cultivating kitchen herbs in the garden	10
4	Identification and Morphological characters of selected medicinal plants. (a) Creepers - Asparagus (Satavari), Tinospora Cordifolia(Gado) (b) Trees - arjun, amla, neem, saragva, jambu, bel (c) Herbs - tulsi, mint, arduci, asvagandha, lemon grass, kuvaar pathu	10
5	Collection of local medicinal herbs and making herbarium. Discussing the benefits of each herb and medicinal plant in detail	10
6	Curative and prophylactic preparation for digestive disorders. Preparation of household natural health drinks	10





7	Curative and prophylactic preparation for skin diseases.	10
8.	Herbal remedies for common diseases- (Prophylactic and curatives) (a) Respiratory infections (b) Urinary disorders (c) Diabetes (d) Cardiac care	10
9.	Herbal mouth fresheners.	10
10.	Herbal first aid	10

Teaching-Learning Methodology	Class Discussions/ Demonstrations, Power point presentations, Class activities/ assignments, group discussions, video clips, chalk and board, on field practicals
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of practical performance, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify the herbs
2.	Identify the medicinal plants
3.	Know the benefits of herbs and medicinal plants

Suggested References:





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2022-2023

Sr. No.	References
1.	Goraya GS and B.S. Somashakher , <i>Medicinal Plants for Primary Health Care</i>
2.	<i>Glussary of Indian Medicinal Plants</i> , (1956),CSIR.
3.	Balkrishna A., <i>Ayurved Jadi/Buti Rahasya</i> , Divya Prakashan





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Home Science) Semester (III)

Course Code	UH03EHSC53	Title of the Course	Practical-Landscaping and Gardening
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Develop skills of landscape planning.2. Give them opportunity to utilize available land efficiently.3. Gain insight into various decorative features of garden.4. Understand effect of light and colour in the garden.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Overview of the factors affecting landscape planning.	10
2.	Draw and learn blueprint symbols used in landscaping. .	10
3.	Learn the basic principles of garden planning.	10
4.	Evaluation of principles in the given garden.	10
5.	Collection of pictures of round plants, hedges, shrubs with their names and characteristics.	10
6.	Prepare a catalogue of indoor plants: Air Purifying and Decorative	10
7.	Prepare and maintain a pot / terrarium /small landscape	10
8.	Evaluation of different garden features in any institutional / community / private garden: Rock, water, light, colour, sound.	10
9.	Making plan for division of exterior space	10
10.	Visit to a nearby Nursery.	10

Teaching-Learning Methodology	Brainstorming, Class Projects, Classroom Discussion, Field Visit, Group Projects, Hands-on activities.
-------------------------------	--

Evaluation Pattern		
Sr.	Details of the Evaluation	Weightage





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2022-2023

No.		
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to

1.	Evolve the competency in efficient use of exterior space.
2.	Appraise the light and colour in the landscaping and gardening.
3.	Develop the skill in application of various features in the garden.
4.	Seize the opportunity to work as a landscape planner.

Suggested References:

Sr. No.	References
1.	Michael Wright, <i>The Complete Book of Gardening</i> , London: Published by Ebury Press.
2.	S. Percy. Lancaster (1977), <i>Gardening in India</i> , London: Published by Oxford and IBH Publishing Co. Pvt. Ltd.
3.	Trivedi P.P (1983), <i>Home Gardening</i> , New Delhi: Published by ICAR.





Bachelor of Science -Home Science
(B.Sc. - H. Sc.) (Home Science) Semester (III)

Course Code	UH03EHSC54	Title of the Course	Practical - Yoga and Meditation
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Understand and Practice Yoga and Meditation in their Day-to-Day Life.2. Inculcate required skills and Training in Yoga for its effectiveness in promotion of Health.3. Give them a basic understanding of Yoga, its types, nature, scope and its relevance with today's lifestyle.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to yoga (a) History & Meaning (b) Importance & Relevance (c) Things to keep in mind before doing asanas	15%
2.	Yoga Asanas (a) Standing Asanas Tadasana, Vrikshasana, Suryanamaskar, Padhastana, Natrajasana (b) Sitting Asanas Sukhasana, Vajrasana, Shashakasana, Vakrasana, Ushtrasana (c) Lying (front) Asanas Pavanmuktasana, Uttanpadasana, Halasana, Pad Chakrasana, Shavasana (d) Lying (Back) Asanas Makarasana, Sarpasana, Bhujangasana, Salbhasana, Dhanurasana	40%
3.	Breathing & Meditation (a) Anulom - Vilom Pranayama (b) Sheetal Pranayama (c) Bhramari Pranayama (d) Omkar & Meditation (e) Kapalbhati	30%





4.	Exercises for Relaxation and Flexibility (a) Flexibility Exercises (b) Breathing Exercises Before or After Sleep (c) Stress Buster Exercises for Relaxation	15%
----	--	-----

Teaching- Learning Methodology	Assignment Method, Classroom Discussion, Demonstration
--------------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Promote Physical and Emotional wellbeing through regular Asanas.
2.	Promote economic and cultural development through yogic Exercise.
3.	Socially and morally empower by Meditation.

Suggested References:	
Sr. No.	References
1.	Shivendra C.S. & Krishan, P. <i>Health Education & Physical Education</i> . New Delhi: Subject Publications Ltd.
2.	Kuvalyanand, S. (1993). <i>Asanas</i> . Lonavala: Kaivlyadhm.
3.	Kuvalyanand, S. (1983). <i>Pranayam</i> . Lonavala: Kaivlyadham.





4.	Sarin, N. (1995). <i>YogaShiksha Avem Dvara Rog Nivaran</i> . Delhi: Khel Sahitya Kendra.
5.	Aayenger, B. K. <i>Yoga Deepika</i> . Mumbai : Orient Longman Pvt. Ltd.

On-line resources to be used if available as reference material
On-line Resources
Physical Education – Wikipedia
Physical fitness- Wikipedia



SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR
B.Sc. Home Science
(Under Choice Based Credit Scheme) (Effect from June, 2022-23)
Semester - FOURTH (GENERAL)

Course Type	Course Code (10 Digit)	Name of Course	Theory (T) Practical (P)	Credit	Contact hrs/ week	Exam Duration in hrs	Marks		
							Internal	External	Total
Ability Enhancement Courses	UH04AHSC51	Entrepreneurship Management	T	2	2	2	15	35	50
Core Courses	UH04CGEN51	Household Equipment	T	4	4	3	30	70	100
	UH04CGEN52	Household Equipment	P	2	4	2	15	35	50
	UH04CGEN53	Learning in Early Years	T	4	4	3	30	70	100
	UH04CGEN54	Learning in Early Years	P	2	4	2	15	35	50
	UH04CGEN55	Food Safety and Quality Control	T	2	2	2	15	35	50
Skill Enhancement Courses	UH04SGEN51	Communication for Development	T	4	4	3	30	70	100
	UH04SGEN52	Communication for Development	P	2	4	3	15	35	50
Elective Courses (Any One)	UH04EHSC51	Event Management	T	2	2	2	15	35	50
	UH04EHSC52	Counseling Techniques	T	2	2	2	15	35	50
	UH04EHSC53	Fashion Basics	T	2	2	2	15	35	50
	UH04EHSC54	Geriatric Nutrition	T	2	2	2	15	35	50
		Total		24	30		180	420	600



Bachelor of Science - Home Science
(B.Sc.- H. Sc.) (Home Science) Semester (IV)

Course Code	UH04AHSC51	Title of the Course	Entrepreneurship Management
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Initiate entrepreneurial motive and impart skills and capabilities for entrepreneurship.2. Ignite aspirations to become entrepreneurs and successful managers.3. Analyse the environment related to small-scale industry and business.4. Understand the process and procedures of setting up small enterprises.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Entrepreneurship (a) Conceptual: Meaning and definition of entrepreneurship (b) Entrepreneur: Meaning, qualities, functions and types of Entrepreneur. (c) Characteristics and barriers in entrepreneurship. (d) Enterprise: Definition, nature and classification (e) Forms of Organization – Sole proprietorship, partnership, Joint Stock Company (f) Role of entrepreneur in economic development.	30
2.	Finance and Sources for small scale industries (a) Accounting for enterprise: Meaning, need and objectives of accounting, Process of Accounting, Bookkeeping, Journal, Ledger: Balance Sheet, Final Accounts; Fixed capital & working capital; Auditing- Nature and types (b) Institutional support/ Sources: Commercial banks- Central level; State level.	30
3.	Problems of small sector: Management problems, marketing problems, sick units; Causes and remedies.	10
4.	Project formulation	30





	(a) Small scale enterprise: Definitions, types, characteristics. (b) Steps for starting a small industry. (c) Guidelines for preparing a project report. (d) Steps in Project formulation (e) Procedures and formalities (plant location, land, building, water and power. (f) Project appraisal: Market feasibility, technical feasibility, financial and economic feasibility	
--	--	--

Teaching-Learning Methodology	PowerPoint presentation. Lectures, discussion, industrial visit, ICT enabled teaching, project work.
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand the concept of entrepreneurship, entrepreneur and enterprise
1.	The procedure to start a Small-Scale Industry.
2.	Foresee the type of risk factors of Small-Scale Industry.
3.	Identify ways to approach supportive Institutions and Banks for starting an enterprise.
4.	Focus on the formation of project proposal and practice effective accounting processes
3.	To develop business skills.

Suggested References:





Sr. No.	References
1.	Dr. Rao, M., Biswas, M. (2019). <i>Entrepreneurship Development and Management</i> . Delhi: Anvi Books and Publishers.
2.	Desai, V. (2011). <i>Dynamics of Entrepreneurial development</i> . Mumbai: Himalaya Publishing House.
3.	Gupta, C.B. & Srinivasan, N.P. (2000). <i>Entrepreneurship Development in India</i> . New Delhi: Sultan Chand & Sons.
4.	Khanna, S.S. (2003). <i>Entrepreneurship Development</i> . New Delhi: S. Chand and Co Ltd.

On-line resources to be used if available as reference material

On-line Resources

<https://socialinnovationacademy.org/>

<https://news.gcase.org/2011/10/24/what-is-entrepreneurial-management>

<https://en.wikipedia.org/wiki/Entrepreneurship>





Bachelor of Science - Home Science
(B.Sc.- H. Sc.) (Family Resource Management) Semester (IV)

Course Code	UH04CGEN51	Title of the Course	Household Equipment
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. To acquire knowledge about the principles underlying the operation, use, care and storage of electrical and non-electrical household equipment.2. To identify various materials, finishes, construction and manufacturing process of household equipment.3. To augment understanding of basic terms and concepts about electricity.4. Imbibe the principles underlying selection of equipment5. To familiarize them with the process of standardization and its importance.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	<p>Introduction to Household Equipment</p> <p>(a) Importance and classification of Household Equipment: Portable/ non portable, electrical/ non electrical, motor driven/ hand operated, equipment related to preparation, cooking, cleaning, servicing.</p> <p>(b) Factors affecting selection of major appliances.</p> <p>(c) General precautions while using electrical appliances.</p> <p>(d) Different types of motors, Thermostatic controls.</p>	20
2.	<p>Basics of Kitchen Cookware and Essentials (Non-electrical equipment): Surface cookery; Oven cookery & Kitchen tools</p> <p>(a) Categorize</p> <p>(b) Base materials: aluminium, iron, stainless steel, copper, brass, glass and plastic.</p> <p>(c) Finishes: Mechanical and applied</p> <p>(d) Insulating materials: Fibre, glass, mica, mineral wool, rock wool etc.</p>	20





3.	<p>Electrical Equipment: Scientific Principle, Construction, Cleaning and Care:</p> <p>(a) Equipment related to food preparation: mixer, Juicer, food processor and flour mill.</p> <p>(b) Cooking Equipment, Sandwich maker, toaster, microwave & OTG, ice-cream maker, rice cooker, coffee maker, Air fryer, induction cook top etc.</p> <p>(c) Storing equipment: Refrigerator</p>	30
4.	<p>Scientific Principle, Construction, Cleaning and Care:</p> <p>(a) Cleaning equipment: Vacuum cleaner, Dish washer& electric chimney.</p> <p>(b) Laundry equipment: Washing machine, Iron</p> <p>(c) Handling minor problems and repairs</p>	15
5.	<p>Standardization:</p> <p>Need and importance; Process of standardization; Consumer's role in purchase of equipment. (Purchase of efficient, safe and quality appliances, guarantee and warranty, trends in availability of equipment in the market)</p>	15

Teaching-Learning Methodology	Power Point Presentations, YouTube videos, Lectures, discussion, Market Survey, ICT enabled teaching, project work and Assignments.
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify the materials and finishes used in the household equipment.
2.	Apply knowledge of the basic concepts of electricity and the scientific principle of the





	equipment.
3.	Select, use, operate and maintain major electrical and non – electrical equipment.
4.	Practise wise consumerism.

Suggested References:

Sr. No.	References
1.	Jaiswal, N., Patel, S., Gandotra, V. (2017). <i>Household Equipment for Homemakers</i> . New Delhi: Q-2A Hauz Khas Enclave.
2.	Peet, Picket and Arnold. (1963) <i>Household Equipment Guide</i> . IOWA: The IOWA State University Press.
3.	Kaur, D.J. (1976). <i>Improving the Household Equipment</i> . Punjab: Communication Centre, Punjab Agricultural University.
4.	Acharya, M. (1995). <i>ગૃહ ઉપકરણોની યોગ્યતા</i> . Vallabh Vidyanagar: Deep Prakashan.

On-line resources to be used if available as reference material

On-line Resources

<https://in.pinterest.com/hotkart/electronics-items>

<https://smarterhouse.org/appliances-energy/home-electronics>

<https://www.iloencyclopaedia.org/contents/part-xiii-12343/electrical-appliances-and-equipment>





Bachelor of Science - Home Science
(B.Sc.- H. Sc.) (General) Semester (IV)

Course Code	UH04CGEN52	Title of the Course	Practical - Household Equipment
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Gain knowledge of the basic concepts of electricity and the scientific principle of the equipment practically.2. To have the first-hand experience in handling electrical equipment scientifically.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Classification of equipment & Market survey.	05
2.	Identify materials, finishes, and joints used in non-electrical equipment.	10
3.	Demonstration and use of equipment related to food preparation – mixer, juicer, food processor, chopper.	20
4.	Demonstration and use of cooking equipment: Sandwich maker, toaster, rice cooker, coffee maker, Air fryer, etc.	20
5.	Demonstration and use of- microwave oven, OTG oven, induction cooktop	10
6.	Demonstration and use of- ice-cream maker, Refrigerator, flour mill.	10
7.	Demonstration and use of Laundry and cleaning equipment: Washing machine, Iron, Vacuum cleaner	10
8.	Field visits to the electrical equipment repairing centres to observe different types of wires and their uses and repairing.	10
9.	Handling minor problems and repairs	05

Teaching-Learning Methodology	Demonstrations, Using equipment practically, Market survey to observe the recent trends in equipment, Field visits
-------------------------------	--





Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify the materials and finishes used in the household equipment available in the lab.
2.	Identify various methods of forming utensils and fixing their handles
3.	Learn correct use of equipment and their minor repairs.
4.	Well equipped to handle the household equipment at home and as a sales manager.

Suggested References:	
Sr. No.	References
1.	Peet and Picket (1963). <i>Young homemaker's Equipment Guide</i> . IOWA: The IOWA State University Press.
2.	Peet, Picket and Arnold. <i>Household Equipment Guide</i> . IOWA: The IOWA State University Press.
3.	Kaur, D.J. (1976). <i>Improving the Household Equipment</i> . Punjab: Communication Centre, Punjab Agricultural University.
4.	Acharya, M.(1995). <i>ગૃહ ઉપકરણોની ઓભખાણ</i> . Vallabh Vidyanagar: Deep prakashan.





On-line resources to be used if available as reference material

On-line Resources

<https://in.pinterest.com/hotkart/electronics-items/>

<https://smarterhouse.org/appliances-energy/home-electronics>

<https://www.iloencyclopaedia.org/contents/part-xiii-12343/electrical-appliances-and-equipment>





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Human Development) Semester (IV)

Course Code	UH04CGEN53	Title of the Course	Learning in Early Years
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1) To understand the meaning of program planning in early years. 2) To acquaint the students with various components to be included in programme planning and to recognize the advantage of project method and to learn to use integrated approach in the development of daily programme.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction: (a) Importance of early years. (b) children's need of movement, exploration, discovery, expression, achievement, success and recognition (c) Principles of curriculum design.	25
2.	Learning approaches: (a) Teaching learning methods used in early years (b) Principles of learning in early years (c) Learning approaches - Formal , Informal and Integrated (d) Learning difficulties and ways to overcome Principles of Programme planning from: (a) Known to unknown, (b) Simple to complex (c) Concrete to abstract (d) Balance between individual and group activity, indoor and outdoor play, quiet and active play, guided and free play (e) Assessment of learning	25
3.	Readiness programme: (a) Meaning and signs of readiness. (b) Factors to be considered for readiness : Age, Vision, Hearing, (c) Physical coordination, reading from left to right. (d) Promotion of various skills required for reading and writing. (e) Goals of language teaching. (f) Improve handwriting skills for kids. Writing and Reading Readiness Skills (a) Importance of Prewriting skills for pre-scholars	25





	(b) Problem with writing readiness skills (c) Develop writing skills for pre-scholars (d) Reading skills at different stage Environmental studies: (a) Scope of environmental studies (b) Importance and goals of environmental studies.	
4.	Teaching Techniques in early years: (a) Project method, Meaning and advantages of using project method, Planning, Resource unit, Alternative to home work (b) Disadvantage of rote learning, Suitable alternative such as observations, exploration, experimentation and reporting orally, picture of something related to concept covered in classroom.	25

Teaching-Learning Methodology	Regular lectures, exercises on observation and follow up discussion, case studies, films and documentaries, Point Presentation ,Audio Visual methods, Games, Seminar, Assignment, Quiz
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Student will come to know the importance of early years.
2.	They will learn the programme planning.





Suggested References:

Sr. No.	References
1.	Anderson, P. S. (1972). <i>Language skills in elementary education</i> . Macmillan.
2.	Armstrong, D. & Savage T. (2007), <i>Effective Teaching Elementary Education</i> . New York: Mac Millan. Publication.
3.	Gelman, R., & Gallistel, C. R. (1986). <i>The child's understanding of number</i> . Harvard University Press.
4.	Kaul, V., (1991). <i>Early Childhood Education Programme</i> , New Delhi: NCERT.
5.	Robinson, H.,(1985). <i>Exploring Teaching</i> , London: Allyn and Bacon.





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Human Development) Semester (IV)

Course Code	UH04CGEN54	Title of the Course	Practical - Learning in Early Years
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. To understand the meaning of program planning in early years.2. To acquaint the students with various components to be included in programme planning and to recognize the advantage of project method and to learn to use integrated approach in the development of daily programme.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Plan three activities for children: List objectives, select and organize instructional and learning materials, role of the teacher	15
2.	Prepare reading readiness material on visual discrimination : Difference between similar looking letters and words, odd one out, matching shadows, sorting items.	15
3.	Prepare reading readiness material on visual memory	10
4.	Prepare reading readiness material on auditory discrimination : Identifying sounds in the environment, same and different sounds, sequence of sounds.	15
5.	Prepare booklet on pre writing activities	10
6.	Plan three writing readiness activities	10
7.	Prepare a teaching aid for improve hand writing skills – Grasping and Shape formation.	10
8.	Prepare material on pre counting activities: Materials for classifying, comparing, serration, patterning, counting shapes, fractions, list vocabulary related to mathematical concepts Materials for addition, subtractions, multiplication and division. Experiences for understanding time, distances, weight, capacity and money.	15





Teaching-Learning Methodology	Practical, observation method ,Field visits, Interview method, game
-------------------------------	---

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Students will understand the meaning of program planning in early years.
2.	Students will acquaint the students with various components to be included in programme planning and to recognize the advantage of project method and to learn to use integrated approach in the development of daily programme.

Suggested References:	
Sr. No.	References
1.	Anderson, P. S. (1972). <i>Language skills in elementary education</i> . Macmillan.
2.	Armstrong, D. & Savage T. (2007), <i>Effective Teaching Elementary Education</i> . New York: Mac Millan. Publication.
3.	Gelman, R., & Gallistel, C. R. (1986). <i>The child's understanding of number</i> . Harvard University Press.
4.	Kaul, V., (1991). <i>Early Childhood Education Programme</i> , New Delhi: NCERT.
5.	Robinson, H.,(1985). <i>Exploring Teaching</i> , London: Allyn and Bacon.





Bachelor of Science-Home Science
(B.Sc.- H. Sc.) (General) Semester (IV)

Course Code	UH04CGEN55	Title of the Course	Food Safety and Quality Control
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Provide a basic understanding of quality concepts and practice in food companies.2. Understand the role of Food Safety in expanding food industrial activities.3. Acquainted with different types of food hazards, their detection and control through various quality control measures.4. Acquainted with the implementation of the total quality control concepts, through techniques such as HACCP.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to Food Safety: Definition, types of hazard-physical, chemical and biological, factors affecting Food Safety, Quality Control Concepts as applied to the food industry, and major quality control functions	20
2.	(a) Industrial food sector in India and the role of quality control in ensuring Food safety. (b) Categories of safety hazards in food. Microbial and Non microbial hazards and their control.	25
3.	(a) Control of quality parameters to ensure nutritional and health safety of food concepts of quality (b) Quality assurance through HACCP. (c) Legal administration and quality control- Laws relating to food hygiene.	30
4.	Categories of food quality sensory, compositional nutritional and health quality of foods, quality standards for food- International and national standards-Codex Alimentarius, FSSAI, ISO-9000, WHO, BIS, AGMARK, FPO, VOP etc.	25

Teaching-Learning Methodology	Chalk and board, Power point presentations, Class Discussions, Class activities / assignments, video clips
-------------------------------	--





Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Learn about the importance of HACCP for Quality Assurance in Food industry
2.	Learn about the various agencies and laws working for the betterment of the Food Quality in Industry
3.	Get acquainted with the various food hazards, their detection and control through various quality control measures.

Suggested References:	
Sr. No.	References
1.	FSSAI. (2017). <i>Food Safety and Standards Act 2006</i> , Rules 2011, Regulations 2011.
2.	Mortimore, S., & Wallace, C. (2013). <i>HACCP: A practical approach</i> . Berlin: Springer Science & Business Media.
3.	Nijhawan R. (2017). <i>Food Safety & Standard Act & Food Safety & Standards Rules</i> (1 st Edi).
4.	Roday S. (2011). <i>Food Hygiene and Sanitation with case studies</i> .
5.	Hobbs, B. C., & Gilbert, R. J. (1978). <i>Food poisoning and food hygiene</i> . London: Edward Arnold (Publishers) Ltd, 41 Bedford Square.
6.	Bhat, R. V., & Rao, R. N. (1997). <i>Food regulation. Food Safety</i> , Bangalore: The Bangalore Printing and Publishing Co. Ltd.





On-line resources to be used if available as reference material

On-line Resources

[e-PGPathshala \(inflibnet.ac.in\)](http://e-PGPathshala.inflibnet.ac.in)





Bachelor of Science - Home Science
(B.Sc. -H.Sc.) (General) Semester (IV)

Course Code	UH04SGEN51	Title of the Course	Communication for Development
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	<p>Course in Communication for Development orients the students to learn about the various dimensions of development and communication for social change. The course focuses contemporary development concerns, advocacy and communication for sustainable social change. It enhances the capacity of the students in participatory methodologies and innovative communication techniques.</p> <ol style="list-style-type: none">1. Understand the concept and process of development2. Gain knowledge on development communication3. Learn the importance media in development communication4. Acquire skills on Information Education and Communication (IEC) technologies and media
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	<p>Development Communication</p> <p>(a) Definition, basic concept, nature, significance and functions and dysfunctions, dynamics of development.</p> <p>(b) Models of Development- Dominant paradigm, Basic Needs model, new paradigm of development.</p> <p>(c) Philosophy of and principles of development communication.</p> <p>(d) Methods of Communication.</p>	25
2.	<p>Approaches to Development Communication</p> <p>(a) Meaning, nature, role and characteristics of development communication.</p> <p>(b) Interrelationship between development and development communication.</p> <p>(c) Diffusion / extension approach, Mass media approach, development support communication approach, institution approach, integrated approach and localized approach.</p> <p>(d) Paradigm of development communication</p>	25
3.	<p>Media and Development Communication</p> <p>(a) Traditional media – types, characteristic role in development communication</p> <p>(b) Development reporting – roles and responsibilities development reporter, ethics in reporting, required skills and</p>	25





	<p>issues in development reporting</p> <p>(c) News reporting – definition of news, ingredients and qualities of news, news value, types of news reports, structure of news reports</p> <p>(d) Radio news, features and commentaries, radio and development communication</p> <p>(e) Television and cinema – role in development communication</p> <p>(f) ICTS – scope in development communication</p>	
4.	<p>Skills for Development Communication</p> <p>(a) Photography - basic principles, preplanning, scripting, shooting, developing, mounting, recording of commentary or dialogue, synchronization of frame with recording</p> <p>(b) Video films – essential preliminaries, preplanning – procedure, classification of video programmes, shooting script</p> <p>(c) Editing procedure – optical effects, music titles and other accessories to be added</p> <p>(d) Recording process, Home videos, radio recording Social marketing and advertising</p> <p>(e) Social marketing – concept of social marketing</p> <p>(f) Innovative strategies in Social marketing</p> <p>(g) Advertising – definition, types, origin and role</p> <p>(h) Types of advertisement and their impacts</p>	25

Teaching-Learning Methodology	Lectures, demonstration, Group discussion, Case study, role play, Application of ICT in teaching learning process.
--------------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand the concept related to communication for development
2.	Comprehend the significant development communication





3.	Focus on different types of media and its uses in the implementation of programme
4.	Analyze the ICT in development communication
5.	Understand the steps in message design

Suggested References:

Sr. No.	References
1.	Capila, A. (2001). <i>"Images of Women in the Folk Songs of Garhwal Himalayass."</i> New Delhi: Concept Publishers
2.	<i>"Communication for Development in the Third World Theory and Practices (1991)."</i> New Delhi: Sage Publications
3.	Patil, D. (2010). <i>"Communication for rural development in India."</i> New Delhi: Serials Publications
4.	Gupta, D. (2007). <i>"Development Communication in Rural Sector."</i> New Delhi: Mukhopadhyay, Abhijeet Publication
5.	Joshi, U. (1997). <i>"Textbook of Mass Communication and Media."</i> New Delhi: Anmol Publications
6.	Joshi, U. (2001). <i>"Understanding Development Communication."</i> New Delhi: Domincent Publishers
7.	Shetty, K. (2011). <i>"Communication for Social Change."</i> New Delhi: Pacific Publication
8.	Nisha, M. (2006). <i>"Understanding Extension Education."</i> New Delhi: Kalpay Publications
9.	Reddy, A.A. (2001). <i>"Extension Education."</i> Bapatla: Sri Lakshmi Press
10.	Singh, U.K., and Nayak, A.K. (2007). <i>"Extension Education."</i> New Delhi: Common Wealth Publishers





Bachelor of Science - Home Science
(B.Sc. -H.Sc.) (General) Semester (IV)

Course Code	UH04SGEN52	Title of the Course	Practical - Communication for Development
Total Credits of the Course	02	Hours per Week	04

Course Objectives:	<ol style="list-style-type: none">1. Understand the concept and process of development.2. Gain knowledge on development communication.3. Learn the importance media in development communication.4. Acquire skills on Information Education and Communication (IEC) technologies and media.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Analyse the models and its application in the implementation of programmes	20
2.	Apply the traditional media and understand the effectiveness of the same in women's issues	20
3.	Identify various issues in development communication through radio scripts, newspaper stories and reports	10
4.	Carryout cases studies on successful implementation of communication programmes by using communication skill	20
5.	Interact with media in organizing programmes on current issues	10
6.	Apply the approaches of social advertising to create awareness on important issues related to women	20

Teaching-Learning Methodology	Lectures, demonstration, Group discussion, Case study, role play, Application of ICT in teaching learning process.
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Practical Examination (As per CBCS R.6.8.3)	15%





2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to

1.	Understand the concept related to communication for development
2.	Comprehend the significant development communication
3.	Focus on different types of media and its uses in the implementation of programme
4.	Analyze the ICT in development communication
5.	Understand the steps in message design

Suggested References:

Sr. No.	References
1.	Capila, A. (2001). <i>"Images of Women in the Folk Songs of Garhwal Himalayass."</i> New Delhi: Concept Publishers
2.	<i>"Communication for Development in the Third World Theory and Practices (1991)."</i> New Delhi: Sage Publications
3.	Patil, D. (2010). <i>"Communication for rural development in India."</i> New Delhi: Serials Publications
4.	Gupta, D. (2007). <i>"Development Communication in Rural Sector."</i> New Delhi: Mukhopadhyay, Abhijeet Publication
5.	Joshi, U. (1997). <i>"Textbook of Mass Communication and Media."</i> New Delhi: Anmol Publications
6.	Joshi, U. (2001). <i>"Understanding Development Communication."</i> New Delhi: Domincent Publishers
7.	Shetty, K. (2011). <i>"Communication for Social Change."</i> New Delhi: Pacific Publication
8.	Nisha, M. (2006). <i>"Understanding Extension Education."</i> New Delhi: Kalpay Publications





SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar, Gujarat
(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))
Syllabus with effect from the Academic Year 2022-2023

9.	Reddy, A.A. (2001). " <i>Extension Education.</i> " Bapatla: Sri Lakshmi Press
10.	Singh, U.K., and Nayak, A.K. (2007). " <i>Extension Education.</i> " New Delhi: Common Wealth Publishers





Bachelor of Science - Home Science
(B.Sc.- H. Sc) (Home Science) Semester (IV)

Course Code	UH04EHSC51	Title of the Course	Event Management
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Make them understand the event planning process.2. Inculcate the management skills required for managing an event effectively.3. Find out the resources required in the staging of events.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to Event Planning (a) Concept (b) Role of an event planner: Tasks and Skills (c) Types of Events: Corporate Events, Leisure Events, Sport Events, Private Events	25
2.	Event Planning Process (a) Establishing a theme (b) Settling objectives (c) Determining the venue feasibility (d) Preparing an event management plan (e) Key steps in event marketing	25
3.	Event Budget (a) Preparing a budget (b) Monitoring the budget (c) Budget review	25
4.	Detail planning of a specific event: corporate/ leisure/private	25

Teaching-Learning Methodology	Power point presentations, Videos, Field visits, Assignments, Participatory lectures, Discussions and display of various themes, lectures, tutorials, library use and e-learning through videos coupled with market survey, field-based learning
-------------------------------	--





Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Appraise the role of a successful event planner.
2.	Execute a successful event in-line with the needs and requirements of the client.

Suggested References:	
Sr. No.	References
1.	Conway, D.G. (2009). <i>The Event Manager's Bible: The Complete Guide to Planning and Organising a Voluntary or Public Event</i> . New Delhi: Viva Books.
2.	Kilkenny, S. (2006). <i>The complete guide to successful event planning</i> . New Delhi: Atlantic Publishing Company.
3.	Alex, G. (2015). <i>Event Planning: Management and Marketing for Successful Events</i> . New Delhi: Create space Independent Publication.
4.	Sharma, S. (2011). <i>Event Planning and Management</i> . Jaipur: Aadi Publications.
5.	Patel, S.& Saini, A.(2019). <i>Event Management by Homemakers</i> . New Delhi. Authorpress Publication





Bachelor of Science - Home Science
(B.Sc.- H.Sc.) (Home Science) Semester (IV)

Course Code	UH04EHSC52	Title of the Course	Counselling Techniques
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Sensitize the students towards the need and value of counselling.2. Understand the counselling process and its needs.
--------------------	---

Course Content		
Unit	Description	Weightage* (%)
1.	Concept of counselling : (a) Meaning (b) Definition (c) Characteristic of Counsellor (d) Elements of counselling (e) Principles of counselling (f) Need of counselling	25
2.	Goals of counseling : (a) Characteristics of an effective counsellor (b) Values in counselling	25
3.	The counselling process : (a) Techniques of counselling (b) Personal problems & Counselling (c) Counselling for school children	25
4.	Approaches to counselling : (a) Development counselling (b) Reality therapy (c) Rational emotive counselling	25

Teaching-Learning Methodology	Lecture method, Group discussions Method, Power Point Presentation , Audio Visual methods, Assignment, Quiz
-------------------------------	---





Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Understand importance of counselling in reducing the problems of an individual.
2.	Know about counselling techniques.

Suggested References:	
Sr. No.	References
1.	Sharma R.A. (2010). <i>Fundamentals of Guidance and Counseling</i> , Meerut (U.E) : R. Lall Book Depot, Near Govt, Inter College.
2.	Singh K. (2010). <i>Counseling Skills for Managers</i> , New Delhi: PHI Learning Pvt. Ltd.
3.	Chatarvedi R. (2007). <i>Guidance and Counseling Skills</i> , New Delhi: Crescent, Publishing Corporation.
4.	Mary S. & Vishala SND. (2008). <i>Guidance & Counseling</i> , S. New Delhi: Chand & Company Ltd. Ram Nagar.





Bachelor of Science – Home Science
(B.Sc.-H.Sc.) (Home Science) Semester (IV)

Course Code	UH04EHSC53	Title of the Course	Fashion Basics
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	<ol style="list-style-type: none">1. Enable students with concepts of fashion and fashion world.2. Develop an understanding of the factors affecting fashion and fashion cycle.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	Introduction to fashion (a) Meaning (b) Terminologies (c) Areas of fashion design	20
2.	History and life cycle of fashion: (a) History of fashion design (b) Fashion life cycle	20
3.	Factors affecting fashion (a) Accelerating fashion (b) Receding fashion (c) Fashion tourism	30
4.	Theories of fashion change (a) Trickle down theories (b) Trickle up theories (c) Trickle across theories	30

Teaching-Learning Methodology	Lecture, Power Point Presentations, Short Films, Field Visits, Projects, Group Discussion.
-------------------------------	--





Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Acquaint with the terms and areas of fashion.
2.	Understand the cycle of fashion.
3.	Appraise the influences of fashion world.

Suggested References:	
Sr. No.	References
1.	Patrick, J. (1976). <i>Introduction to Fashion Design</i> , Ireland: B.T. Bradford.
2.	Patrick, J. (1975). <i>Basic Fashion Design</i> , Ireland: B.T. Bradford.
3.	Sumathi, G.J. (2002). <i>Elements of Fashion Design and Apparel Design</i> , New Delhi: New Age International Publishers.
4.	Alexander, R.R. (1977). <i>Textile Products, Selection, Use & Care</i> , Boston: Houghton Mifflin Co.
5.	Pandit, S. & Elizabeth, T. (1972). <i>Grooming Selection & Care</i> , Baroda: Unity Printers.





Bachelor of Science-Home Science
(B.Sc.-H. Sc.) (Home Science) Semester (IV)

Course Code	UH04EHSC54	Title of the Course	Geriatric Nutrition
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	1. Know the concepts of gerontology and problems related to old age. 2. Know principles of geriatric nutrition.
--------------------	--

Course Content		
Unit	Description	Weightage* (%)
1.	(a) Definition of ageing, senescence, gerontology, geriatrics, and Geriatric nutrition (b) Classification of old population	25
2.	Physiological and Biochemical changes during old age and major nutritional and health problems during old age.	25
3.	Assessment of nutritional status of older adults – Height, Weight, BMI, Demispan formula Demiquet and Mindex formula, Skiding board blade caliper to measure knee ht	25
4.	Nutritional requirement and dietary guidelines for elderly	25

Teaching-Learning Methodology	Classroom teaching for theory periods, Lectures and Power-point presentations will be the main method of transaction, Special lectures/ visits/ interactions with professionals will be undertaken, Classroom quiz sessions for revision, Any other method may be added, as per university norms and discretion of the teaching faculty.
-------------------------------	--

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%





3.	University Examination	70%
----	------------------------	-----

Course Outcomes: Having completed this course, the learner will be able to

1.	Comprehend the mental and physical health problems.
2.	Assess nutritional status and apply the knowledge to practical purpose as in planning diets and taking general care.

Suggested References:

Sr. No.	References
1.	Begum, R. M. (2008). <i>A Textbook of Foods, Nutrition & Dietetics</i> . New Delhi: Sterling Publishers Pvt. Ltd.
2.	Antia, F. P. (1973). <i>Clinical Dietetics and Nutrition</i> . London WI: Oxford University Press, Ely House, 37 Dover Street.
3.	Srilakshmi, B. (2007). <i>Dietetics</i> . New Delhi: New Age International.
4.	Mudambi, S. R. (2007). <i>Fundamentals of foods, Nutrition and Diet Therapy</i> . New Delhi: New Age International

