

# National Education Policy-2020

# Common Minimum Syllabus for all U.P. State Universities

Semester-wise Titles of the Papers in U.G Programme (HOME-SCIENCE)

Year	Semester.	Course Code	Paper Title	Theory/Practical	Credits
B.A- 1		A130101T	Fundamentals of Nutrition and Human Development	THEORY	4
	1	A130102P	Cooking Skills and Healthy Recipe Development	PRACTICAL	2
	·	A130201T	Introduction to Clothing and Textile & Family Resource Management	THEORY	4
	11	A130202P	Clothing and Textile	PRACTICAL	2
В.А- 2		A130301T	Advance Nutrition and Human Development	THEORY	4
		A130302P	Human Development	PRACTICAL	2
	IV	A130401T	Housing and Extension Education	THEORY	4
	IV	A130402P	Resource Planning and Decoration	PRACTICAL	2
B.A-	V	A130501T	Surface Ornamentation of Fabrics	THEORY	4
	V	A130502T	Community Development & Programme Planning	THEORY	4
	V	A130503P	Community Transformation (Change)	PRACTICAL	2
	V	A130504R	Research Project-1	PROJECT	3
	VI	A130601T	Dietetics & Therapeutic Nutrition	THEORY	4
	VI	A130602T	Research Methodology and Gender Development	THEORY	4
	VI	A130603P	Therapeutic Diet Preparation & Nutrient Evaluation	PRACTICAL	2
	VI	A130604R	Research Project-2	PROJECT	3

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#### Syllabus Developed by:

S. No.	Name	Designation	Department	College/ University
1	Dr. Nitu Singh Supervisor	Associate Professor	Home Science	Hemvati Nandan Bahuguna Govt. P.G College Naini, Prayagraj
2	Prof. Sangita Saini Subject Expert	Professor	Home Science	Dayalbagh Educational Institute, Dayalbagh, Agra
3	Dr. Rashmi Bishnoi Subject Expert	Associate Professor	Home Science	Netaji Subash Chandra Bose Government Girls P.G College, Aliganj, Lucknow
4	Dr. Monika Subject Expert	Associate Professor	Home Science	Sri Tika Ram Kanya Mahavidyalaya, Aligarh

#### Proposed Year wise Structure of UG Program in Home Science

#### Program Outcomes (POs)

The program has been framed in such a manner that students receive real feel of quality education by touching all aspects of human lifecycle.

Designed to enhance the capacity of students to understand universal and domain-specific values in Home Science

Develop the ability to address the complexities and interface among of self, societal and national priorities inculcate both generic and subject-specific skills to succeed in the employment market and standards of life. Promote research, innovation and design (product) development favouring all the disciplines in Home Science.

This programme develops scientific and practical approach among the students which helps in their day to day life.

#### Certificate in Fundamentals of Home Science

#### B.A. First Year

#### Program Specific Outcomes (PSOs)

At the end of program following outcomes are expected from students:

Learn about the discipline of Home Science as a holistic field of study covering multiple facets and requirements of human beings in day to day living, for example, achievement of appropriate milestones in personal development; awareness, need and use of family resources; access to adequate nutrition for wholesome development; clothing fundamentals.

May have capabilities to start earning by enhancing their skills in the field of Nutrition and Textiles.

Semester I	Name of Paper	Credits	No of Lectures
	Fundamentals of Nutrition and Human	4	60
	Development (Theory)		
	Cooking Skills and Healthy Recipe Development	2	30
	(Practical)		
The second section of the sec	Total	6	90
Semester II	Name of Paper	Credits	Lectures
	Introduction to Clothing and Textile &Family	4	60
	Resource Management(Theory)		

ک	Clothing and Textile	(Practical)	2	30
. <b>#</b>	Total		6	90

## B.A. Second Year: Diploma in Interior Design & Human Development

### Program Specific Outcomes (PSOs)

At the end of program following outcomes are expected from students:

Develop sensitivity, resourcefulness, and competence to render service to enhance development of individuals, families, communities, and the nation at large.

Enhance abilities involved in acting as proactive agents of change in promoting the discipline of Family and Community Sciences.

Explore and decide upon viable avenues of self-employment and entrepreneurship.

Learn more about human and community & relationship.

Semester III	Name of Paper	Credits	No of Lectures
	Advance Nutrition and Human Development (Theory)	4	60
	Human Development (Practical)	2	30
	Total	6	90
Semester IV	Name of Paper	Credits	No of Lectures
	Housing and Extension Education (Theory)	4	60
-	Resource planning & Decoration (Practical)	2	30
	Total	6	90

# B.A. Third Year: Degree in Bachelor of Arts

#### Program Specific Outcomes (PSOs)

- Programme is framed to Encourage a genre of responsible students with a passion for lifelong learning and entrepreneurship, it also generate multi-skilled leaders with a holistic perspective that cuts across disciplines.
- Promote research, innovation and design (product) development favouring all the disciplines in Home Science.
- Enhance digital literacy and apply them to engage in real time problem solving and ideation related to all fields of Home Science.
- Appreciate and benefit from the symbiotic relationship among the five core disciplines of Home Science – Resource Management, Food Science and Nutrition, Textiles and Clothing, Human Development and Family Studies and Extension and Communication.
- After this degree programme students can be benefitted by getting jobs in various fields like government sector, working with NGOs, jobs as an extension worker, Education etc. and also they can feel the sense of entrepreneurship as well.

Semester V Name of Paper	Credits	No.	of

squ <sup>e</sup>			Lectures
	Surface Ornamentation of Fabrics (Theory)	4	60
	Community Development & programme planning (Theory)	4	60
	Community Transformation (Change) Practical	2	30
	Research Project 1	3	45
	Total	13	195
Semester VI	Name of Paper	Credits	No. of Lectures
	Dietetics and Therapeutic Nutrition (Theory)	4	60
	Research Methodology and Gender Development (Theory)	4	60
	Therapeutic Diet Preparation and Nutrient Evaluation (Practical)	2	30
	Research Project 2	3	45
	Total	13	195

# B.A. I Semester I Home Science Paper 1 Fundamentals of Nutrition and Human Development (Theory)

Programme/ Certificate	Class:	Year: 1		Semester: 1	
Subject: Ho	me Science				
ourse Code:	A130101T	Course Title:			
<u> </u>		Fundamentals of N	utrition and	l Human Developme	ent
Course outcome The student a		on of the course will b	e able to:		
<ul> <li>Stude</li> <li>Aequ</li> <li>Expla</li> <li>Identi</li> </ul>	ents will get fat aint students with the need and ify the biological about the cha	s to understand physic miliar with different with practical knowled d importance of studyical and environmental tracteristics, needs and	methods o dge of nutri ing human g factors affe	l cooking ient rich foods growth and developi cting human develo	ment across life span pment. cy & early childhood
Credits: 4			Core Cor	mpulsory	
Max. Marks	: 25   75		Min. Passing Marks:33		
Total No. o	f Lectures-60				
Units		Тор	pic		No of Lectures
I	Contributi	Home Science and its Relevance in current era on made by Indian Home Scientists i.e. nathan, C V Gopalan, S K Day, Ravindra Nath		03	
Cell and Digestive System Respiratory and Cardiovascular system		10			
		<u> </u>			

	1 K	
Ш	Food and Nutrition Food- Meaning, Classification and function Nutrition- Concept of Nutrition Nutrients-Macro and Micro, sources and deficiency diseases.	09
IV	Cooking Methods- Methods, Advantages and Disadvantages Preservation of Nutrients while Cooking	08
	PART B	
V	Introduction to Human Development:	8
	Prenatal Development and Birth Process:  • Conception, Pregnancy and Childbirth Stages of birth	6
VI	<ul> <li>Types of delivery (natural, c-section, breech, home vs. assisted delivery)</li> <li>Physical appearance and capacities of the new-born</li> <li>Factors affecting Pre-natal development.</li> </ul>	
VII	Infancy:      Developmental tasks during Infancy and Preschool Stage.      Physical and Motor Development.      Social and emotional development      Cognitive and language development	8
VIII	Early Childhood (Pre School) years:  Developmental Tasks during Early childhood.  Physical and Motor Development  Social and emotional development  Cognitive and language development	8

- Dr. Brinda Singh, Manav Sharir evam Kriya Vigyan Panchsheel Prakashan, Jaipur;2015 ,15<sup>th</sup> Ed.
- Chatterjee, C.C., "Human Physiology" Medical Allied Agency; Vol I, II.
- Text Book of Biology for 10+2 Students (NCERT)
- Sumati R Mudami, "Fundamentals of food Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6th Ed. (2018)
- Punita Sethi and Poonam Lakda, "Aahar Vigyan, Suraksha evam Poshan"; Elite Publishing House, New Delhi; 2015
- Berk, L.E. Child development New Delhi: Prentice Hall (2005) (5th ed.).
- Berk L.E. Child Development Allyn and Bacon 1992 (6th) Edition.
- Keenan, T., Evans, S., & Crowley, K. An introduction to child development, Sage (2016)

- Hurlock E. Child Development.
- Aadhunik Vikasatmak Manovigyan, Shri Vinod Pustak Mandir Agra Edition 3<sup>rd</sup> 2015
  - Suggestive digital platforms web links-ePG-Pathshala, IGNOU & UPRTOU online study material
     Svayam Portal

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

#### Suggested Continuous Evaluation Methods:

- Seminar/ Presentation on any topic of the above syllabus
- Test with multiple choice questions/ short and long answer questions

#### Attendance

Course prerequisites: To study this course, a student must have had the subject ALL in class 12<sup>th</sup>. The eligibility for this paper is 10+2 with any subject

Lurther	Suggestic	ins:

It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure.

At the End of the whole syllabus any remarks/ suggestions:	
,	

# B.A. I Semester I Home Science Paper 2 Cooking skills and healthy recipe development (Practical)

Programme/Class: Certificate		Year: 1	Semester: 1		
		Subject: Home Science	ce (Practical)		
Course Code:	recipe development				
Course oute Stude Acqua	nts will get fami	liar with different meth h practical knowledge o	ods of cooking f nutrient rich foods		
	Credits: 2		Core Corr	ipulsory	
	Max. Marks: 25+75 Min. Passing				
		Total No. of Lab Period	s-30 (60 hours)		
Unit		Topic		No. of lab.periods	
I	Basic cooking skills  - Weighing of raw materials - Preparing of different food items before cooking			06	
H	Preparation of various dishes using different methods of cooking  - Boiling /steaming - Roasting - Frying – Deep/shallow - Pressure cooking - Hot air cooking/Baking			08	

Ш	Different styles of cutting fruits and vegetables - Salad Decoration/Dressings	06
IV	Preparation of nutrient rich dishes - Protein rich dish - Carbohydrate rich dish - Fat rich dish - Vitamins rich dish - Minerals - Fibers	10

- ❖ Dr. Brinda Singh, Manav Sharir evam Kriya Vigyan Panchsheel Prakashan, Jaipur;2015 .15<sup>th</sup> Ed.
- ❖ Chatterjee, C.C., "Human Physiology" Medical Allied Agency; Vol I, II.
- ❖ Text Book of Biology for 10+2 Students (NCERT)
- ❖ Sumati R Mudami, "Fundamentals of food Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6<sup>th</sup> Ed. (2018)
- Punita Sethi and Poonam Lakda, "Aahar Vigyan, Suraksha evam Poshan"; Elite Publishing House, New Delhi; 2015

This course can be opted as an elective by the students of following subjects: Open for all

# Suggested Continuous Evaluation Methods:

- Test with multiple choice questions/short and long answer questions
- Menu planning and calculation of nutrient requirement
- Nutritive value calculation of various nutrient rich dishes

Course prerequisites: To study this course, a student must have had the subject ...... in class/12th/ certificate/diploma.

# Suggested equivalent online courses

o IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad., http://heecontent.upsdc.gov.in/Home.aspx

#### **Further Suggestions:**

Students may develop their cooking skills with new healthy recipe development after completion of this course and even start their own food service center.

# B.A. I Semester 2 Home Science Paper 1 Introduction to Clothing & Textiles & Family Resource Management (Theory)

Programme/Class: Certificate		Year: 1	Semester		r: 2
Subject: Home \$	Science			<del></del>	
ourse Code: A130		Course Title: Introd Management (Theo		g and Textiles	& Family Resource
<ul> <li>Understand</li> <li>Learn how</li> <li>Understand</li> <li>Learn the founderstand</li> <li>Understand</li> </ul>	at scope of textile a ding why fabrics ar fabrics can be mar d basic clothing cor family resource ma d the Decision mak	e different	es throughout the	Family life cyc	cle.
	Credits: 4		Core	Compulsory	
Ma	ax, Marks: 25+75		N	Ain. Passing M	arks:33
Fotal No.	of Lectures- 60				
Unit		Topic			No. of Lectures
		PART A			
I	Introduction a) Introduction to Clothing and Textile (b) Its importance in day-to-day life (c) Scope (d) Classification of textile fiber on the basis of their source (c) General properties of fibers-primary and secondary			7	
11	Knowing Fib (a) Cellulosic (c) Synthetic/l	Knowing Fibers-Manufacture, processing, properties and uses of (a) Cellulosic Fibers-cotton, Linen (b) Protein Fibers-Wool, Silk (c) Synthetic/Manmade fibers-Nylon, Polyester, Acrylic, Rayon.			8
111	Yarn to Fabrics(a) Definition of Yarn, Manufacture of Yarn and Yarn Properties (b) Different fabric construction techniques (Weaving, Knitting, Felting, Braiding, Non-woven) (c) Weaving of Cloth-Terminologies and Steps in Weaving. (d) Types of weaves-			8	
IV	Clothing Con Introduction to Importance of advantages & stitching a gar	Basic and Decorative  Clothing Construction (a) Tools for Clothing construction (b) Introduction to sewing machines, its parts and maintenance, (c) Importance of Drafting, Draping, Flat pattern techniques - advantages & disadvantages (d) fabric preparatory steps for stitching a garment - preshrinking, straightening, layout, pinning, marking and cutting.			7
		PART	В		
V	Introduction to Home Management: Basic Concepts, Purpose and Obstacles of Management. Process of Management – Planning, Organizing, Controlling and Evaluation. Motivating Factors in Management – Values, Goals and Standards – Definition and Classification.			8	
VI	Resources, Decision making & Family life cycle: Meaning,			f Resources. Stages of	8
, <u> </u>	Time, Energ	y and Money Manage ing Time Plan, Tools a	ement: Time as a nd Aids in Time I	Resource, Management.	7

	Energy as a Resource, Work Curve, Fatigue-Types, Causative lactors and Alleviating Techniques. Family Income as a Resource, Sources of Income and Expenditure and Saving. Preparation of Family budget in view of family income.	
VIII	Work Simplification and Household Equipments: Meaning and Techniques of Work Simplification, Mundell's Classes of Change. Principle, Use and Care of Household Equipments such as Pressure Cooker, Mixer and Grinder, Refrigerator, Washing Machine, Vacuum Cleaner & Solar Cooker.	7

- Colbmen P Bernard: Textiles Fiber To Fabric
- Hollen & Saddler: Introduction To Textile
- Joseph M: Introduction To Textiles
- Frotman: Textile Fiber Science

Cutting Tailoring And Dress Making: National open School, B-31-B Kailash Colony, New Delhi – 1100048.

- Khanuja, Reena (2018) Grah Vyavastha avam Grah Sajja. Agrawal Publications, Agra ISBN: 978-93-81124-96-3
- R Bhatia & C Arora (1999), Introduction To Clothing And Textile, Printed by Macho Printery, Raopura, Baroda.
- Complete Guide To Sewing By Reader's Digest: published by The Reader's Digest Association (Canada) Ltd. Montreal-Pleasantville, NY, 2002.
- Deacon R.E. and Firebaugh F.M. (1998) Family Resource Management- Principles and application. N. Delhi.: Roy Houghton Mifflin Company.
- Faulkner, R. & Faulkner, S. (1961) Inside Today's Home. Rev. ed. © Holt, Rlnehart & Winston, Inc.
- Gross, I.H. and Crandall, E.H. (1967). Management for Modern Families. N. Delhi: Sterling Publishers Ltd?
- Moorthy G. (Ed.). (1985). Home Management. N. Delhi.: Arya Publishers, Mullick, P. Text book of Home science. Ludhiana.: Kalyani Publishers.
- Nickell, P., and Dorsey, J, M. (2002). Management in Family Living. New Delhi: CBS Publishers (ISBN13: 9788123908519)
  - Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.
  - Varma, Pramila, Vastra Vigyaan Avam Paridhan: Madhya Pradesh Hindi Granth Academy, Bhopal.
- Varghese, M. A. Ogale, N. N and Srinivasan, K. (2001). Home Management.
   New Delhi, New Age International (P) Ltd.
- Varghese, M.A. Household Equipment Manual, S.N.D.T Women's University, Mumbai.
- Suggestive digital platforms web links-

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx,

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Attendance

Course prerequisites: To study this course, a student must have had the subject ALL in class 12th.

Suggested equivalent online courses: IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad

Students may develop their managerial skills after completion this course and may join any filed.
As Management of Resources is applicable everywhere.
At the End of the whole syllabus any remarks/ suggestions:

# B.A. I Semester 2 Home Science Paper 2 Clothing & Textiles (Practical)

Programme/Class: Cerificate	Year: 1	Semester: 2	
(cience)	munity and Life Science (Ho		
Course Code: A130	O202P Course Title: Clothing	and Textiles (Practical)	
<ul><li>Understanding</li><li>Learning basic</li></ul>	ify fibers and fabrics why fabrics are different Sewing skills nents are stitched		
Cro 2	edits:	Core Compulso	ry
Max. M	1arks: 25+75	Min. Passing	g Marks:40
Total No. of la	b.pcriods- 30 (60 hours)		-
Unit	Торіс		No. of lab.periods
burning pure an	Identify fibers and fabrics(a) Fibre identification tests- Visua burning and microscopic- natural and synthetic, pure and blended fibres. (b) Weaves identification and understanding their usage.		
Learning II straight-l Basic Stit	Learning to stitch (a) Knowing how to stitch-an idea of straight-line stitching, stitching on curves and at corners (b) Basic Stitching-Temporary Stitching, Permanent and decorative stitching		
Basic sev fell seam Disposal	Basic sewing (a) Scams-Plain seams and its finishing, run & fell seam, French seam (b) Attaching different Fasteners (c) Disposal of fullness-darts, gathers, tucks and pleats (d) Neckline Finishing-Facing & Binding		8
Preparin	Preparing Frock (a) Drafting, cutting and stitching of Childs' basic block and sleeve block. (b) adaptation to "Gathered frock" with Peter Pan collar and puff sleeves		

R Bhatia & C Arora (1999), Introduction to Clothing and Textile, Printed by Macho

Delhi – 1100048.

Printery, Raopura, Baroda.

- Complete Guide to Sewing by Reader's Digest: published by The Reader's Digest Association (Canada) Ltd. Montreal-Pleasantville, NY, 2002.
- Helen J Armstrong, Pattern Making for Fashion Design, Prentice Hall
- Gerry Cooklin, Introduction to Clothing Manufacture, Blackwell Science, UK, 1991
- Metric Pattern cutting & Grading by Winfred Aldrich.
- Khanuja, Reena. Vastra Vigyaan ke Sidhant, Agrawal Publication, Agra.
- 1. Suggestive digital platforms web links-

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

# Suggested Continuous Evaluation Methods:

- Preparation of samples of various types on fabrics.
- Evaluation of Prepared garment.
- Record file preparation and evaluation, Attendance.

Course prerequisites: To study this course, a student must have had the subject ALL in class12<sup>th</sup>.

B.A. 2 Semester 3 Home Science Paper 1 Advance Nutrition and Human Development (Theory)

Programme/Class: Diploma	Year: 2	Semester: 3
Subject: Home Science		
Course Code: A130301T	Course Title: Advan	ce Nutrition and Human Development (Theory)

#### Course outcomes:

The student at the completion of the course will be able to:

- Create an awareness about importance of healthy meal at various stages of life cycle
- Inculcate healthy eating practices among students
- Develop skill of meal planning for different physiological groups
- Explain the Physical & Psychological changes during middle childhood, adolescent and
- adulthood stage.
  Identify the biological and environmental factors affecting personality.
  Learn about the characteristics, needs and developmental tasks of Middle childhood years, Adolescent & Adulthood stage.

Credits: 4	Core Compulsory
Max. Marks: 25+75	Min. Passing Marks:33

#### Total No. of Lectures-60

Unit	Topic	No of Lectures
1	Meal Planning- Definition, importance, factors affecting meal planning, Balanced Diet, RDA	07
11	Nutrition During Infancy and Childhood- Nutrition Requirement, RDA and Diet Plan	07
1[]	Nutrition During Adolescence, Adulthood and Old Age. Nutrition Requirement, RDA and Diet Plan	08
IV	Nutrition During special condition pregnancy and lactation Nutrition Requirement, RDA and Diet Plan.	08
	PART B	
V	Middle Childhood Years Developmental tasks and characteristics of middle childhood	8
	period	
	Physical and motor development	

	Social & emotional development	
	Cognitive development	
	Language development	
VI	Puberty and Adolescence	8
	Development tasks and characteristics	
	Significant Physical physiological and hormonal changes in puberty.	
	Self and Identity, Factors influencing Identity& Personality development.	
	Family and peer relationship  Problems – Drug and Alcohol abuse, STD, HIV/AIDS, Teenage pregnancy.	
VII	Cognitive, Language and Moral Development during Adolescence:  • Perspective on cognitive development, development of intelligence and Creativity	7
	<ul> <li>Adolescent language</li> <li>Adolescent Morality</li> </ul>	
VIII	Introduction to adulthood:	7
	Concept, transition from adolescence to adulthood	
	Developmental tasks of Adulthood	
	Physical and physiological changes from young adulthood to late adulthood	
	Responsibilities and adjustments-educational, occupational, marital and parenthood	

- Sheel Sharma, "Nutrition and Diet Therapy, Peepee Publishers, New Delhi; 2014
- Ankita Gupta "Text book of Nutrition" Medico Refresher Publisher, Agra, 2018
- Subhangini A Joshi; Nutrition and Dietetics, Mc Graw Hill Education, Private Ltd.
- Kumud Khanna, "Text book of Nutrition and Dietetics", Elite Publishing House Pvt. Ltd, New Delhi, 2013. 7th Ed.
- Swaminathan M, " Essentials of Food and Nutrition Vol I and II
- Monaster G.J. 1 Adolescent Development Life Tasks. Mc.Graw Hill (1977).
- Ambron S.R. Child Development Holt, Renchart and Winston 1978 (IInd Edition).
- Mussen P.H. Conger J.J. Kagan J and Huston A.C. 1990. Child Development and Personality (VI Edition) Harper and Row Publishers New York.
- Bocknek G. Human Development Brook and Cole Publishing Company 1980.
- Aadhunik Vikasatmak Manovigyan, Shri Vinod Pustak Mandir Agra Edition 3<sup>rd</sup> 2015
- Harpalani. Aahar Vigyaan avam Upcharatmak Poshan, Star Publications ,Agra.
- Suggestive digital platforms web links- IGNOU & UPRTOU online study material

Svayam Portal, http://heecontent.upsdc.gov.in/Home.aspx

# Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Attendance

• IGNOU	ivalent online co and other central 'AM" in India and	ly/state operated U	niversities/MOOC p	atforms sucl	ı as
or as well a	pt. dietitian, nutrit s extend knowled the scope for stud	lge by joining adva- ents to join Govern	onist as a career in p nce course in same d iment and Non-Gove socio-economic struc	iscipline. rnment orga	
End of the	whole syllabus an	y remarks/ suggestic	ons:		•••••
		A. 2 Semester 3 Ho Iuman Developmer	me Science Paper 2 nt ( Practical)		
Programi Diploma	nc/Class:	Year: 2		Semester:	3
		Essential Science	(Home		
Course	e Code: A130302P	Course Title: Adv	ance HUMAN devel	opment (Prac	tical)
• Un • Ab	arn to cope un wit	dle development rel behaviour.	dulthood problems. lated issues more effi	ciently.	
	Credits:		Core Co	mpulsory	
	Max. Marks:	25+75	Min.	Passing Mar	ks:40
То	tal No. of lab.per	iods-30(60 hours)			
Unit	T	opic			o. of periods
I	Preparation of children.	an album on develo	omental milestones of		8
	Prepare child li	terature.			
		Care Centres/ angan			
į II	development (a	any two).	il, cognitive, language		8
İ	Observations o	f child rearing pract	ices in families from		

Interviews of adolescent girls and boys to understand their life style, behaviour and problems.

Ш

Carry out case studies to know more about the different life stages, e.g., school going children, adolescents, Young adults.	7
(any two)	

- Monaster G.J. 1 Adolescent Development Life Tasks. Mc.Graw Hill (1977).
- 2. Ambron S.R. Child Development Holt, Renchart and Winston 1978 (IInd Edition).
- 3. Mussen P.H. Conger J.J. Kagan J and Huston A.C. 1990. Child Development and Personality (VI Edition) Harper and Row Publishers New York.
- 4. Bocknek G. Human Development Brook and Cole Publishing Company 1980.
- 5. Aadhunik Vikasatmak Manovigyan , Shri Vinod Pustak Mandir Agra Edition 3<sup>rd</sup> 2015

Suggestive digital platforms web links- ePG- Pathshala, inflibnet,IGNOU & UPRTOU online study material.

Svayam Portal,

http://heecontent.upsdc.gov.in/Homc.aspx

This course can be opted as an elective by the students of following subjects: Open for all The eligibility for this paper is 10+2 with any subject

Suggested Continuous Evaluation Methods:

- Assessment of observation report.
- Preparation of questionnaire.
- Visits Records.
- Attendance.

Course prerequisites: To study this course, a student must have had the subject ALL in class 12<sup>th.</sup>

The eligibility for this paper is 10+2 with any subject 

# B.A. 2 Semester 4 Home Science Paper 1 Housing & Extension Education (Theory)

Programme/Class: Diploma	Year: 2	Semester: 4
Subject: Home Science		
Course Code: A1304017	Course Title: (Theory)	Housing & Extension Education

#### Course outcomes:

- Grasp knowledge of Housing need & selection of site in real life situations. Comprehending Housing plans for residential purpose. Appreciate principles of design and the contributing factors to refine personal
- aesthetic senses.
- Learn the widening concepts of Extension Education.
  Develop understanding for Effective teaching and learning.
  Comprehend the various effective communication methods.
  Gain skills to use technologically advanced Audio-visual aids.

Credits:	Core Compulsory
Max. Marks: 25+75	Min. Passing Marks:33

Total No. of Lectures- 60

Unit	Торіс	No. of Lectures
	Housing: Needs of a House, Difference between House & Home, way to acquire house (Own & rented). Factors influencing selection and purchase of house and site for house building.	8
11	House Planning: Principles of house planning, Planning different residential spaces in a house. Planning house for different income groups.	7
Ш	Interior Designing: Introduction to Interior designing. Importance of good taste. Objective of Interior decoration. Elements of design – Line, Shape, Texture, Color, Pattern, Light & Space. Principle of design- Proportion, Balance, Rhythm, Emphasis, Harmony.	8
IV	Home Decors: Furniture, Furnishings (Curtain, Draperies, Floor coverings, Wall celing, Lighting, Accessories (Wall painting, Mirrors, wall art, Sculpture & Antiques, Flower arrangements) etc.	7
	PART B	
V	Extension Education: Meaning, Concepts, Objectives, Scope, Principles, Philosophy of Extension Education. Early Extension Efforts in India. Formal & Non-formal Education.	8
VI	Extension Teaching & Learning: Role and Qualities of an Extension worker. Steps in Extension Teaching Process, Criteria for Effective Teaching & Learning.	7
	Communication & Extension Teaching Methods: Definition, Importance, Characteristics, Elements, Models &	

VII	Challenges in communications. Relationship between Communication, Extension & Development. Extension Teaching Methods- Classification, Factors guiding	8
i	the Selection & use of Extension teaching methods.	
VIII	Audio- visual Aids: Definition, Importance, Classification, Selection, Preparation & Effective use of Audio-visual Aids.	7

- Khanuja, Reena (2018) Grah Vyavastha avam Grah Sajja. Agrawal Publications, Agra ISBN: 978-93-81124-96-3
- Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.
- Cherunilam, F., & Hedggade, O. D. (1987). *Housing in India*. Bombay: Himalaya Publishing House.
- Craig, H.T. and Rush, O.D. (1966). Homes with Character. Heath, 1966.
- Faulkner, R. & Faulkner, S. (1961) Inside Today's Home. Rev. ed. © Holt, Rlnehart & Winston, Inc.
- Goldstein, H & Goldstein V. (1954). Art in Everyday Life Macmillan Publishers.
- Rutt, A.H. (1963) Home furnishing. John Wiley & Sons, Inc.;
- Supriya, K.B. (2004). Landscape gardening and designing with plants. Pointer Publishers.
- Teresa, P. Lanker. (1960). Flower Arranging: Step-by-step Instructions for Everyday Designs. Florist

#### Review

• Aggarwal, R. (2008). "Communication- today and tomorrow", New Delhi.: Sublime Company

Dubey V.K., Srivastava Archana, Agrawal Garima, Grah Vigyan Prasar Avam Sampreshan. Star Publications Agra.

Harpalni B.D. Patni.Manju, (Prasar Shiksha Avam Sanchar) Star Publications, Agra. ISBN 978-93-81246

Shaw Geeta Pushp, Shaw Jois Sheela, Prasar Shiksha, Vinod Pustak Mandir Agra. ISBN 81-7457-104-3

- Dahama, O.P., & Bhatnagar, O.P.[1998]. "Education and Communication for Development". New Delhi. - Oxford and IBH Publishing Co. Pvt.Ltd.
- Jaipal Singh." Prasar Shiksha avam Gramin Vikas" SR Scientific Publications, Agra
- Reddy, A. [1987]. "Extension Education". Bapatha, Andra Pradesh, India.: Sreelekshmi Press.
- Supe A.N. (1983). An introduction to Extension Education. Delhi: Oxford IBH Publishing
- 2. Suggestive digital platforms web links-

http://heccontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Seminar / presentation on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Preparation of Audio-visual aids.
- Attendance.

Course prerequisites: To study this course, a student must have had the subject ALL in class 12th.

## Suggested equivalent online courses:

• IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad.

Further Suggestions:  t widens the scope for students to join Government and Non-Government organization applicable at different levels as per their socio-economic structure. Extension workvill speed up the (1) Man Environment; (2) Basic structures (Gram Panchayat, Village School and Cooperative Societies) etc.	o-economic structure. Extension work
At the End of the whole syllabus any remarks/ suggestions:	tions:

# B.A. 2 Semester 4 Home Science Paper 2 Resource Planning & Decoration (Practical)

Programme/Class: Diploma			Year: 2		Sem	ester: 4
Subject: Co Science)	mmunity and	Essential	Science	(Home		
Course Code	: A130402P	Course T	itle: Resou	ırce Planni	ing and Decoration	(Practical)
				effective	balance of work &	z leisure.
Incorp		e work sir	nplificatio		household equipe	ments.
	Credits:				Core Compulso	ory
Max. Marks: 25+75			· · · ·	Min. Passing Marks:40		
Tota	al No. of lab.per	iods-30 (6	60 hours)			
Unit	Т	opic				No. of lab.periods
	1		•	or self and different ir	family. ncome groups.	8
II	cooker,	Survey of Household Equipments- (Pressure Toaster, Gas Stove, Mixer & Grinder, rator, Washing machine, Microwave, Solar		8		
Ш	• Draw H Layout.	House Plans Standard Specifications & Furniture		7		
IV	Flower     Applica	Arrangen	nent & Flo esign princ	s & Color for Decorate ciples and	schemes. tion (Rangoli)- Elements of Art ,	7

- Alexander, N.J., (1972). Designing Interior Environment. New York: Harcourt Brace,
- Bhargava, B. (2005). Family Resource Management and Interior Decoration, Jaipur: Apple Printer and V. R. Printers.
- Faulkner, R., and Faulkner, S. (1975). Inside Today's Home, New York: Rinehart.
- Gandotra, V., and Jaiswal, N. (2008). Management of Work in Home, New Delhi: Dominant Publishers and Distributors. (ISBN No. 81-7888-526-3)
- Harmon. S., and Kennon, K. (2018). The Codes Guidebook for Interiors (5thEd.). New York: Wiley (ISBN: 978-1-119-34319-6)
- Johanovich Inc. Ball, V. K. (1982). Art of Interior Design. New York: John Wiley & Sons.
- Leach, S. D. (1978). Techniques of Interior Design Rendering and Presentation (1st Ed.). Architectural record Books (ISBN-13: 978-0070368057)
- Mohanty, A.B. (1985). Guide to House Buildings. New Delhi: Inter India Publications
- Patni Manju & Sharma Lalita, Grah Prabandh, Star Publications Agra.

Suggestive digital platforms web links-

- bit.ly/3fJfghi
- https://bit.ly/39mTwGQ
- https://bit.ly/2JoXB2e
- https://bit.ly/3ljkrWf.
   Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

## Suggested Continuous Evaluation Methods:

- Assessment of Time-Energy, Budget & House Plans.
- Assessment of Market Survey Records.
- Assessment of Flower Arrangements and Rangoli.
- Attendance.

Course prerequisites: To study this course, a student must have had the subject ALL in class/12<sup>th</sup>.

Suggested equivalent online courses:

IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad

#### Further Suggestions:

• Students may develop their managerial skills & Interior designing skills after completion this course with the capability to opt for a job or start their own ventures. The program giving an opportunity to advancement their knowledge by enrolling for advanced specialized program of their own area of need & interest.

At the End of the whole syllabus any remarks/ suggestions:

## B.A. 3 Semester 5 Home Science Paper 1 Surface Ornamentation of fabrics(Theory)

Unit		Topics	No. of
Tot	tal No. of Lectures	s- 60	
Max. Marks: 25+75		25+75	Min. Passing Marks:33
	Credits: 4		Core Compulsory
Knov	wing the importanc	c of appropriate laundry me	thod
Ident	ifying traditional to	extiles of different states	
Knov	wing the traditional	embroideries of India	
Lear	wing about dyeing n how printing on f	abrics is carried	
	n about finishes do		
Ident	ify the different te	chniques of fabric from surfa	ace
Knov	wing why fabrics to	nok differently	
ourse oute	omes:		
Course	Code: A130501T	Course Title: Surface Orna	mentation Of Fabrics (Theory)
ubject: Hor	ne Science		
Programr Graduation		Year: 3	Semester, 5
••	(43.1		Semester: 5

Techniques of Creating variety on fabrics (a) weaving (b) finishing of fabrics (c) dyeing of fabrics (d) printing fabrics (a)

Finishes (a) Classification of fabric finishes (b) Study of purpose

and use of Dyes-Basic, Acidic, Direct, Azoic, Natural, Sulphur, Vat, Disperse and Reactive dyes (d) Resist Dying Techniques-

and process of finishes (i) General Purpose finishes-Bleaching, Mercerization, Calandering, Sanforization, Tentering, Singeing,

(ii) Functional Finishes

Dyeing (a) Classification of dyes- Natural v/s Synthetic, advantages and limitations (b) Theory of dyeing (c) Properties

embroidery and other decoration methods

П

Ш

Scouring

8

8

- · · <del></del>	Tie & Die, Batik.	
IV	Printing (a) Direct printing- Block, Screen, Stencil, Roller (b) Transfer printing (c) Discharge printing, Resist printing (d) Polychromatic, Inkjet and Digital printing techniques (e) After treatment of dyed and printed goods	8
V	Traditional Embroideries: Meaning and status of traditional craf India. Knowing about the Traditional Embroideries of different stardozi, Kashida of Kashmir, Phulkari of Punjab, Kantha of Ben Chikankari, Kasuti, of UP, Sindh and Kutch work of Gujarat.	6
VI	Traditional Textiles: Knowing the Traditional textiles of different states of India (a) Woven fabrics- Baluchars, brocades, Kashmir carpets, Patola, Ikat, Pochampalli, Chanderi (b) Printed, painted and dyed-Sanganeri, Bhagru, Kalamkari, Madhubani, Bandhani.	7
VII	Water(a) Water and its uses in textile industry, properties, (b)types of water used for processing (c) Hardness and removal of Hardness of water.	7
VIII	Laundry and dry cleaning of fabrics and garments  (a) Methods of Laundry and Dry cleaning (b) Dry cleaning process (c) Reagents of Laundry-Blues, Bleaches, Optical Brighteners, Stiffening agents (d) Types of soaps and detergents (e) Cleaning action of soaps and detergents.	8

- Marsh JT: Textile Finishes
- Trotman Er: Dyeing And Chemical Technology Of Fibres
- Joseph M: Introduction To Textiles
- Corbman P Bernard: Textiles- Fibre To Fabric
- Hollen & Saddler: Introduction To Textile
- J. Hall: The Standard Hand Book Of Textiles, Wood Head Publication, 2004
- J.E. Smith: Textile Processing –Printing, Dyeing, Abhishek Publishing, 2003
- Kate Broughton: Textile Dyeing, Rockport Publishers, 1996
- W.S. Murphy: Textile Finishing, Abhishek Publication, 2000
- Naik.D. Shailiaja:Traditional Embroideries Of India, New Age International Publishers, 1996
- Naik.D. Shailiaja, Jacquie.A.Willson: Surface Designing Of Textile Fabrics, New Age International Publishers, 2006
- Bhargav, Bela. Vastra Vigyaan, Univ. Book House Pvt. Avam Dhulai Kala, University Book House Pvt Ltd. Jaipur
  - Patni .Manju, Vastra Vigyaan Avam Paridhan ka Parichay ,Star Publications, Agra.

Suggestive digital platforms web links-

Swayam Portal,

http://licecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

#### Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.
- Subjective long questions

i	Attendance.		
Cours class/	e prerequisites: To study this course, a student must have had the subject 2 <sup>th</sup> .	ct ALL	in

# B.A. 3 Semester 5 Home Science Paper 2 Community Development & Programme Planning (Theory)

Programn	nc/Class: Degree	Year: 3		Sen	nester: 5
Subject: Hor	ne Science				
Course Code: A130502T Course Title: Community Development & Pr					rogramme planning.
Dev • Cre	comes: derstand the Covelopment. ate awareness about if y the leadership		lopment pr	ogrammes.	unizing system for
	Credits: Core Compulso.				ory
	Max. Marks: 25+75 Min. Passing			g Marks:33	
Tot	tal No. of Lecture	s- 60			
Unit		Topic			No. of Lectures
I	Community Development: Meaning, Definition, Functions, Objectives, Philosophy, Principles of Community Development Programme in India.			8	
II	Community Development Organization: Meaning, Types, Principles, Role & Administrative Structure at the National, State, District, Block & Village levels.			8	
III	Home Science Extension Education in Community Development: Origin, Concept, Need, Importance and Contribution of Home Science Extension Education in National Development.			7	

137	Recent Development Programme for Women &Children:	7	
1V	Support to Training & Employment for women (STEP),	,	
	Swarn jayanti Gram Swarojgar Yogna (SGSY), Integrated		
	Child Development Services (ICDS) etc.		
	Support Service of Youth Development: NCC, NSS, Youth	-	
$\mathbf{V}$	Camp	7	
	Youth Clubs etc.		
	NGO & Others: Contribution towards community services,	_	
VI	Types & Role of NGO - WHO, CARE, UNICEF, UNESCO,	8	
	UNDP, CRY, HELP-AGE INDIA.		
	Leadership: Concept, Definitions, Types, Importance,	7	
VII	Function and Role of Community leaders. Methods of		
	Identifying and Training of leaders.		
* 7 Y Y T	Programme Planning: Programme planning component	8	
VIII	cycle and its components-	O	
	(i)Designing the project – Defining the objectives, Identifying		
	resources, approach, feasibility and Work plan.		
	(ii) Implementation.		
	(iii) Monitoring and Evaluation.		

- Clark John. (1991). Voluntary Organizations: Their Contribution to Development. London: Earth Scan
- Dahama, O.P., & Bhatnagar, O.P. "Extension & Rural Welfare". New Delhi: Oxford and IBH Publishing Co. Pvt. Ltd.
- Ghosh Bhola Nath, (1996), "Rural Leadership & Development" Mohit Publications, New Delhi.
- Julie Fisher. (2003). Governments, NGO's and the Political Development of the Third World. Jaipur: Rawat Publications
- Mohsionnadeem, (1985), "Rural Development through Government Program" Mittal Publications New Delhi.
- Manju Patni & Harpalini, (2018) Prasar Shiksha avam sanchar, Star Publications, Agra.
- Reddy, A [1987]. "Extension Education". Bapatha, Andra Pradesh, India.: Sreelekshmi Press.
- Ravi Shankar Kumar Singh. (2003). Role of NGO's in Developing Countries (Potentials, Constraints and Policies). New Delhi: Deep & Deep Publications (P) Ltd

# Suggestive digital platforms web links

- https://bit.ly/3l3Ayaj
- https://bit.ly/35RnyAi
- https://www.un.org/en/universal-declaration-human-rights/
- https://www.un.org/womenwatch/daw/cedaw/text/econvention.htm
- https://www.ohchr.org/EN/ProfessionalInterest/Pages/CRC.aspx
- https://www.undp.org/content/undp/en/home/sustainable-development-goals.html
- https://bit.ly/39ROD8X
- https://www.unicef.org/
- https://www.who.int/about
- https://www.careindia.org/

This course can be opted as an elective by the students of following subjects: Open for all

# Suggested Continuous Evaluation Methods:

- Seminar on any topic of the above syllabus.
- Test with multiple choice questions/ short and long answer questions.

•	Attendance.
Course	e prerequisites: To study this course, a student must have had the subject ALL in class 12 <sup>th</sup>
: Cours	prerequisites: To study this course, a student must have had the subject. Alexa 10th
	n class12 <sup></sup>

# B.A. 3 Semester 5 Home Science Paper 3 Community Transforming (change) (Practical)

Programmo	e/Class: Degree	Year: 3	Year: 3 Semester: 5	
Subject: Hom	e Science			
Course (	Code: A130503P	Course Title: Communi	ty Transformation (C	Change). (Practical)
<ul> <li>Make</li> <li>Unde</li> </ul>	ess & resolve we use of Audio-verstand the role of	omen & family related is isual aids in planning & of Government bodies in their own development.	conducting group co	ommunication community.
	Credits:		Core Compul	sory
Max. Marks: 25+75 Min. Pas		Min. Passi	ng Marks:40	
Tota	l No. of lab.peri	ods 30(60 hours)		
Unit	To	ppic		No. of lab.periods
I	help nut	• Identify the target group & their relevant issues i.e. help nutrition, Education, Women's & Family issues followed by preparing a report.		
П	Observe & Critical analysis nearby community of women & children related welfare programme followed by the preparation of report.			7
Ш		Prepare & learn the use of Audio-visual Aids.		
IV	contemp  • Develop	to create an awareness on orary issues.  • a script in the Folk dram o perform in the target gro	a (Nukkad Natak)	8

- Mondal Sagar, Misra OP (2018) "Fundamentals of Extension education & Rural Development", Kalyani Publications, New Delhi,
- Mortiss PD (1988) Agricultural Extension- Practical Manual" Department of Primary Industries, Queens Land Government.
- Pradhan.K. Varaprasad.C (2018) Glimpses of Practical in Extension Education, New India Publishing Agency. New Delhi
- Jaipal Singh." Prasar Shiksha avam Gramin Vikas" SR Scientific Publications, Agra
- t. Suggestive digital platforms web links-

https://bit.ly/3922ZTH

Svayam Portal,

http://heecontent.upsdc.gov.in/Home.aspx

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Assessment of Audio-visual Aids and their use.
- Assessment of techniques and communication skills.
- Assessment of Educational Plan and Visits Record.
- Attendance.

Course prerequisites: To study this course, a student must have had the subject ALL in class 12th.

#### B.A. 3 Semester 5 Home Science Paper 4

#### Research Project

Programme/ Graduation	Class:	Year: 3		Semester: 5	
Subject: Cor	nmunity and Li	fe Science (Home	Science)		
Course Code: A130504R   Course Title: Research project					
Learns to pro Becomes ser	mmunicate with	n community arou interview schedule lems being faced i lidate.	2	ty	
Credits: 3			Core Con	npulsory	
Max. Marks	: 25+75		Min. Pass	sing Marks:40	
$\frac{1}{2}$ Total No. of	lectures-45 hor	urs	1		
Unit	Topics				No. of hours
1	Survey of cor candidate	of community services surrounding living area of te			12
	The Candidat identify probl	e has to explore the lem in any one of	ne surroundi the followi	ings and study / ng.	

	It many include Anganwadi/ Health services/ Market / Dairy/ Agricultural farmland / NGO / Crèche/ Nursery School/ Hospital/ Fitness center/ Diet councellor/ Boutique/Balwadi/ Youth center/ Primary school/ Vridha Ashram(old age home)/ Divang school/ Mentally challenged institution/ Village panchayat / School councellor/ Dyeing or printing Unit/ Cottage level embroidery or food processing unit / SHGs/ Bank schemes/ Subsidies available/ Industry producing consumer goods	
11	Seek permission to carry the visits, Plan Visits to the area/ site for developing an understanding	11
Ш	Develop a tool for conducting a survey of the selected area and collect data from the area/ seek permission to conduct short training in the area.	12
	A detailed Report to be prepared and submitted.	10

This course can be opted as an elective by the students of following subjects: Open for all .....

Suggested Continuous Evaluation Methods: Prepare Survey or tool on any one of the above areas

Collection of data related to the area.

A letter certifying the authenticity of work done from the mentor

Report of the identified problems and survey conducted.

Course prerequisites: To study this course, a student must have had cleared the 4th semester

# B.A. 3 Semester 6 Home Science Paper 1 Therapeutic Nutrition( Theory)

Programme/Class: Certificate		Year: 3		Semester: 6	
Subject: Ho	me Science		•		
Course Code	Course Code: A130601T Course Title: Dietetics And Therapeutic Nutr				tion
Course outco	mes:				
2-Develop an	d understand n	ples of diet therapy nodification of the etary management	normal diet fo	or therapeutic pu mon disorders	ırposes
Credits: 4			Core Com	pulsory	
Max. Marks:	25+75		Min. Passi	ng Marks:33	
Total No	o. of Lectures-6	50			
Unit		Topics			No. of Lectures
I	b) Importanc c) Facts abou d) Objectives	of Health Dietetics and Therapeutic Nutrition e of Diet Therapy t fast foods/Junk foods of therapeutic Diet of diet therapy		07	
II	b) Methods of On the On bas	on of normal dicts for therapeutic purposes  f modification basis of nutrients is of consistency eeding methods eeding		07	
III	<ul><li>b) Measurem</li><li>Direct</li><li>Indirect</li><li>c) Factors in</li></ul>	polism fic value of food nent of energy exch- calorimeter et calorimeter fluencing the Basal fluencing the total of	Metabolic Ra	ite	08

IV	Diet during fevers and infections  a) Introduction to fever —Acute fever —Chronic fever  b) Important changes in nutrition during fever c) Modification of the diet	07
V	Diet during Digestive system disorders  a) Peptic ulcers—Causes, symptoms and diet modification b) Diarrhea and Constipation—Causes, treatment and diet modification	08
VI	Weight Management  a) Overweight and Obesity —Introduction to Obesity —Causes of Obesity —Diet Modification  b) Underweight —Causes —Treatment —Diet Therapy	07
VII	Therapeutic Diets in Cardiac Diseases  a) Atherosclerosis  —Introduction  —Dietary factors influencing lipid level in blood  —Modification of diet and Meal Pattern  b) Hypertension  —Causes and symptoms  —Diet in Hypertension	08
VIII	Endocrinal Disorders  a) Introduction to endocrinology b) Various endocrine glands and their functions: Thyroid, Adrenal and Pancreas c) Diabetes Mellitus—occurrence types, symptoms, metabolic changes, dietary modification and educating the patient	08

- ❖ Sumati R Mudambi "Fundamentals of food, Nutrition and Diet Therapy", New Age International Pvt. Ltd, New Delhi, 6<sup>th</sup> Edition (2018).
- ❖ B Srilakshmi- "Dietetics", New Age International Publishers, New Delhi 2017
- ❖ Bamji MS, Krishnaswamy K and Brahmam GNV(Eds) (2009), Text book of Human Nutrition, 3<sup>rd</sup> Edition, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi
- Dr. Brinda Singh- Aahar Vigyan evam Poshan, Panchsheel Prakashan, Jaipur, 2015; 13th Ed.
- ❖ Dr. Sheel Sharma, "Nutrition and Diet Therapy" PEEPEE Publishers and Distributers (P) Ltd. Delhi, 2014, 1st Ed.
- ❖ Shubhangini A Joshi, "Nutrition and Dietetics", Mc Graw Hill Education Private Ltd.. New Delhi, 2013
- Kumud khanna—"Text book of Nutrition and Dietetics", Elite Publishing House Pvt. Ltd, New Delhi, 7<sup>th</sup> Ed. 2013
- ❖ M Swaminathan Essentials of food and Nutrition, Vol II, Applied Aspects, The

Bangalore Printing and Publishing Co. Ltd, Bangalore, 2 <sup>nd</sup> Edition 1985, Reprint 1997.
This course can be opted as an elective by the students of following subjects: Open for all
Suggested Continuous Evaluation Methods:
Test with multiple choice questions/short and long answer questions
Menu planning and calculation of nutrient requirement
Seminar on any above topics
Course prerequisites: To study this course, a student must have had the subject in class/12 <sup>th</sup> / certificate/diploma.
Suggested equivalent online courses:  IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad
http://heecontent.upsdc.gov.in/Home.aspx
<ul> <li>Further Suggestions:</li> <li>Students can opt, dietitian, nutrition advisor/ Nutritionist as a career in private and government sector as well as extend knowledge by joining advance course in same discipline.</li> </ul>
At the End of the whole syllabus any remarks/ suggestions:
At the raid of the whole synabus any remarks, suggestions.

# B.A. 3 Semester 6 Home Science Paper 2 Research Methodology and Gender Development ( Theory)

Programme/Class: Degree		Year: 3	S	Semester: 6
Subject: Comm	unity & Essential	Science (Home Scien	nce)	
Course Coc	le: A130602T	Course Title: Re (Theory)	search Methodology and	I Gender Developmen
<ul><li>Explain</li><li>Develop</li><li>Learn ab</li><li>Conduct</li></ul>	the completion of the concept and use a research proposition the data, same survey.	sal. ple and report writing	<b>,</b> ,	
• To deve	rstand strategies	he General issues of for empowerment of	women.	
	Credits: 4		Core Compi	ılsory
	Max. Marks: 25+75 Min. Passin		ng Marks:33	
Total N	o. of Lectures-T	utorials- 60Lectures		
Unit	Unit Topic		No. of Lectures	
	PART A			
1	Social Resea  Conce Scope Steps	ept,		6
II	Sampling  • C			6
111	• Tools Obser			8
IV	Report Writin		Recommendations	10

Writing process of research report: Formal Style of writing, Preface, Chapterization, Headings, Tables and

Writing references

	Figures, Appendices, Bibliography and	
	Acknowledgement	
<del></del>	PART B	
V	Women in Development: Capacity Building for women-	8
•	Education, Decision Making abilities, Opportunities,	
	Awareness & Information on social and legal issues.	
VI	Women's Organizations & Collective Strength: Women's	7
V I	action groups and women's participation in development	,
	initiative.	
	Employment Trends of women: Need for self-employment,	
VII	Opportunities & challenges in an organized and un-organized	7
Y 11	sector.	·
VIII	Entrepreneurship Development to empower women:	8
VIII	Motivation, Development of women entreprencurs in India,	O .
	Schemes available to encourage women entrepreneurship. (a)	
	Bhartiya Mahila Bank Business Loan (b) Annapurna Scheme.	
	(c) Stree Shakti Package (d) Mudra yojana scheme for	
	women. (e) Mahila udyam nidhi scheme.	

- 1. C. R. Kothari: Research Methodology- Method and Techniques
- 2. R. Kumar: Research Methodology: A step by Step Guide for Beginners
- 3. M. H. Gopal: Introduction to Research Methodology for Social Sciences
- 4. Good, Carter, Scales and Douglas: Methods of Research
- 5. Bhasin, Kamla (2000). Understanding Gender. New Delhi, Kaali for Women.
- 6. Devi, Uma (1994). Women Work, Development and Ecology. New Delhi, Har-Anand Publications.
- 7. Krishna, Sumi (2007). Women's Livelihood Rights: Recasting Citizenship for Development, New Delhi, Sage Publications.
- 8. Sohoni, K Neerj, (1994), Status of Girls in Development Strategies, New Delhi, Har-Anand Publications.
- 9. Gundry Lisa K. & Kickul Jill R.,2007, Entrepreneurship Strategy: Changing Patterns in New Venture
- 10. Creation, Growth, and Reinvention, SAGE Publications, Inc.
- 11. Taneja & Gupta, 2001, Entrepreneur Development- New Venture Creation, Galgotia Publishing Company
- 12. Patni, Manju. Anusandhan Vigyaan, Star Publications, Agra.
- 13. Sudha, G.S. Vyavsayik Prabandh ke Siddhant avam Udyamita,RBD Publications.
- 14. Gupta ,U.C.Udyamita Vikas, Kailash Pustak Sadan, Bhopal
- Suggestive digital platforms web links- e-PG Pathshala Inflibnet

This course can be opted as an elective by the students of following subjects: Open for all

• The eligibility for this paper is 10+2 with any subject

# Suggested Continuous Evaluation Methods:

- Seminar/ Presentation on any topic of the above syllabus
- Test with multiple choice questions/ short and long answer questions
- Attendance

Course prerequisites: To study this course, a student must have had the subject ALL in class 12<sup>th</sup>.

• The eligibility for this paper is 10+2 with any subject

#### Suggested equivalent online courses:

• IGNOU & Other centrally/state operated Universities/ MOOC platforms such as "SWAYAM" in India and Abroad.

#### Further Suggestions:

It widens the scope for students to join Government and Non-Government organization upskilling the people at different levels as per their socio-economic structure.

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At the End of the whole syllabus any remarks/ suggestions:

# B.A. 3 Semester 6 Home Science Paper 3 Therapeutic Diet Preparation and Nutrient Evaluation (Practical)

	nme/Class: tificate	Year: 3	Se	emester: 6
. ,		Subject: Home Scien	ce(Practical)	
* * * * * * * * * * * * * * * * * * * *	de: A130603P	•	utic Diet Preparation and	d Nutrient Calculation
Course outco	omes: 1- Gain kr	owledge of principles o	f diet therapy	
2-Develop ar	nd understand m	odification of the norma	al diet for therapeutic p	urposes
3- Practical k	mowledge of die	etary management in sor	ne common disorders	
	Credits: 2		Core Com	oulsory
	Max. Marks: 2	5+75	Min. Passing	Marks:40
Total No.	of lab.periods -:	30(60 hours)		
Unit		Topic		No. of lab.periods
	Modification preparation	ification of normal diet for therapeutic purposes- aration and presentation		06
Ħ	- Diet it - Diet it	tic Diet Preparation and Nutrient Calculation of et in fever et in diarrhea et in Constipation		08
Ш	some C - Diet ii - Diet ii	Diet Preparation and Nutrient Calculation of Common Disorders a diabetes Mellitus a Hypertension Atherosclerosis		08
IV	and Nutrien - Overv	lification for weight management – Preparation Calculation of diet in- eight & obesity		08

International Pvt. Ltd, New Delhi, 6th Edition (2018).

- ❖ B Srilakshmi- "Dietetics", New Age International Publishers, New Delhi 2017
- ❖ Bamji MS, Krishnaswamy K and Brahmam GNV(Eds) (2009), Text book of Human Nutrition, 3<sup>rd</sup> Edition, Oxford & IBH Publishing Co. Pvt. Ltd. New Delhi
- Dr. Brinda Singh- Aahar Vigyan evam Poshan, , Panchsheel Prakashan, Jaipur, 2015; 13th Ed.
- ❖ Dr. Sheel Sharma, "Nutrition and Diet Therapy" PEEPEE Publishers and Distributers (P) Ltd. Delhi, 2014, Ist Ed.

This course can be opted as an elective by the students of following subjects: Open for all

# Suggested Continuous Evaluation Methods:

- Test with multiple choice questions/short and long answer questions
- Menu planning and calculation of nutrient requirement

Course prerequisites: To study this course, a student must have had the subject ...... in class/12<sup>th</sup>/ certificate/diploma.

# Suggested equivalent online courses:

IGNOU and other centrally/state operated Universities/MOOC platforms such as "SWAYAM" in India and abroad Svayam Portal,

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http://heecontent.upsdc.gov.in/Home.aspx

## **Further Suggestions:**

Students can opt. dietitian, nutrition advisor/ Nutritionist as a career in private and government sector as well as extend knowledge by joining advance course in same discipline.

#### B.A. 3 Semester 6 Home Science Paper 4

Research Project

Programme/C	Class:	Year:3		Semester: 6	
Graduation			<u> </u>		
Subject: Com	munity and Li	fe Science (Home	Science)		
		To must be	1 77	. 11	
Course Code	: A130604R	Course Title: Re	search Proj	ect II	
Becomes sen Tries with so	nmunicate with sitive to needs me interventio	n community arou of the society who n plan for problem entation abilities o	ere she live: is faced in o	community late.	
Max. Marks:	25+75		Min. Pas	sing Marks:40	
Total No. of	Lectures- 45(1	nours)			No. of
Unit	Topics				Lecture
L	l				

		s(ho urs)
[	The Candidate has to select and give inputs in any one of the following.	12
	It many include Anganwadi/ Health services/ Market / Dairy/ Agricultural farmland / NGO / Crèche/ Nursery School/ Hospital/ Fitness center/ Diet councellor/ Boutique/Balwadi/ Youth center/ Primary school/ Vridha Ashram(old age home)/ Divang school/ Mentally challenged institution/ Village panchayat / School councellor/ Dyeing or printing Unit/ Cottage level embroidery or food processing unit / SHGs/ Bank schemes/ Subsidies available/ Industry producing consumer goods	
11	An intervention plan would be developed based on problem identified in the area/ a field visit is mandatory to develop an understanding of the whole process.	
III	The planned intervention to be carried in the selected area	12
	Based on the intervention, the pre-intervention state and post intervention data has to be collected and compared / based on visit and interaction the detailed indepth data has to be collected.	
VI	A detailed Report is to be submitted and evaluated.	10

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

- Prepared intervention plan on any one of the above areas
- Collection of data related to the area.
- A letter certifying the authenticity of work done from the mentor
- Report of the implemented plan and impact/experience of intervention.

Course prerequisites: To study this course, a student must have had cleared the 4th semester