

Session: 2022-23

Name of Teacher: Prof Reetinder Brar

Department: Human Development and Family Relations

Semester: Even Sem

CLASSES	B.Sc 6 <sup>th</sup> Semester		PG Diploma CGFC 2 <sup>nd</sup>	PG Diploma CGFC 2 <sup>nd</sup>	M.Sc 2 <sup>nd</sup>	M.sc 3 <sup>rd</sup> Sem	MSc 4 <sup>th</sup> Sem
Subjects	Old Age Theory      Practical		Tools of Measurement and Evaluation	Introduction of Guidance and Counseling II	Early Childhood Seminar	Dissertation	Old Age Seminar
Month 1	An Introduction to Aging and the Aged-Definition of an old or elderly person. Characteristics of old age. Developmental Tasks of old age.	Report on Old Age Welfare Centres Psychological Test on Elderly	Tests on Marital Adjustment and Parenting	Introduction to Guidance and Counseling	Basic Needs and Rights,	Selection of Topic and Synopsis presentation	Changes in Physical and Psychological Status
Month 2	Adjustment to physical and motor changes in old age. Psychological changes in old age.	Powerpoint Presentation on Elderly	Mental Health Questionnaire and Depression Scale	Introduction, Meaning, Assumption and Principles of Counseling	Agencies, Physical and Emotional	Collection of Data	Adjustment Problems of Old Age
Month 3	Old age vocational and family adjustments – adjustment to retirement, changes in family like loss of spouse. Elderly Abuse-nature and effects.	Case Study and Display	Infancy, Childhood and Adolescence Scales	Directive and Non Directive Counseling, Skills of Counselor	Cognitive, Social	Collection of Data	Typical Behavior and Characteristic of Old Age
Month 4	Programs and schemes for the welfare of the elderly. Support systems for the well-being of the elderly	Case Study and Recreational activities on Elderly	Adulthood and Elderly Scales. Orientation to Clinical Setup	Psychodynamics Theories of Counseling, Transactional Analysis	Language and Research	Analysis of Data	Elderly Abuse
Month 5	Revision	Revision	Revision	Rational Emotive Theory, Behavior and Cognitive Intervention in Counseling	Presentation	Analysis	Presentation

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-23

Name of the teacher:- Ranjana Sharma Department: Botany Semester:- 2

CLASSES	B.Sc. Home Science Theory	B.Sc. Home Science Practical
Subjects	Applied Botany 2	Applied Botany 2
Month 1 (JAN.)	Principal and planning of kitchen garden. Principal and planning in laying out of a garden. Study of beverage yielding plants.	To study beverage yielding plants. To prepare a bed for raising seedlings. To study dye yielding plants.
Month 2 (FEB.)	Cultivation and care of lawns. Cultivation and care of hedges. Elementary knowledge about cultivation, care and maintenance of Bonsai. Elementary knowledge About cultivation, care and maintenance of Coleus.	To prepare a bed for sowing and cultivation of potatoes. To prepare a bed for transplanting vegetables. To demonstrate propagation of plants by layering method.
Month 3 (MAR.) 27.03.23- 01.04.23 MID-SEM. EXAM.	Elementary knowledge about cultivation, care and maintenance of crotons. Elementary knowledge about cultivation, care and maintenance of roses. Study of dye yielding plants.	To demonstrate propagation of plants by budding methods. To study medicine yielding plants. To Prepare temporary slide of Rhoexo leaf.
Month 4 (APR.)	Elementary knowledge about cultivation, care and maintenance of chrysanthemum. To study medicine yielding plants.	To demonstrate hoeing, mulching, weeding, staking and tying. Revision of practical syllabus.
Month 5 (MAY)	P. U. Examination (Theory)	P. U. Examination (Practical)

*Ranjana Sharma*  
27/03/23

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022 - 2023

Name of the teacher:- Dr. Rajesh Biswas, Department:-Zoology, Semester:- II- semester (Jan. 22 - May 23)

CLASSES	B.Sc. Home Science, II- Semester	B.Sc. Home Science, II- Semester
Subjects	Applied Zoology-II( Theory)	Applied Zoology-II (Practical)
Month 1(Jan.)	<p>UNIT- I</p> <ol style="list-style-type: none"> <li>1. An Elementary Knowledge of Structure and Function of DNA.</li> <li>2. An Elementary Knowledge of Structure of RNA.</li> </ol> <p>UNIT- II</p> <ol style="list-style-type: none"> <li>5. Heredity- • Simple Inheritance(According to Mandel-law) • Monohybrid and dihybrid cross • Incomplete inheritance.</li> <li>4. An Elementary Knowledge of Structure of human Chromosomes their variation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Blood grouping( ABO)</li> <li>2. Measurement of Blood pressure (Demonstration).</li> <li>3. Demonstration of Extraction of DNA.</li> </ol>
Month2(Feb)	<p>UNIT- II</p> <ol style="list-style-type: none"> <li>5. Heredity- • Simple Inheritance(According to Mandel-law) • Monohybrid and dihybrid cross • Incomplete inheritance</li> <li>6. Human genetics • An Elementary knowledge ABO and Rh Blood groupings. • An Elementary knowledge of Genetic basis of blood groups( ABO and Rh)</li> <li>7. Hereditary Diseases • An Elementary Knowledge of Autosomal and sex chromosomal abnormalities. • An Elementary knowledge of Genetic basis of common hereditary diseases such as Haemophilia, Colour-blindness, Mongolism, Diabetes, Thalassaemia.</li> <li>7. Hereditary Diseases • An Elementary Knowledge of Autosomal and sex chromosomal abnormalities. • An Elementary knowledge of Genetic basis of common hereditary diseases such as Haemophilia, Colour-blindness, Mongolism, Diabetes, Thalassaemia.</li> </ol>	<ol style="list-style-type: none"> <li>4. Demonstration of submarine Electrophoresis of extracted DNA in Agarose Gel.</li> <li>5. Demonstration of Visualization of Extracted DNA by staining it with Ethidium Bromide.</li> </ol>
Month 3(Mar) Mid-Sem-Exam 27.03.2023 to 01.04.2023	<p>UNIT-III</p> <ol style="list-style-type: none"> <li>8. An elementary knowledge of Gene, Genome and Genomic.</li> <li>9. An elementary knowledge of Genetic engineering.</li> <li>10. An elementary knowledge of Transgenic product -Bt-Products, Golden Rice, Flavr-Savor Tomato.</li> <li>11. An elementary Knowledge of Polymerase Chain Reaction(PCR)</li> </ol>	<ol style="list-style-type: none"> <li>5. Demonstration of Visualization of Extracted DNA by staining it with Ethidium Bromide.</li> <li>6. Demonstration of Polymerase Chain Reaction(PCR)</li> </ol>
Month 4(April)	<p>Unit-IV</p> <ol style="list-style-type: none"> <li>12. An elementary knowledge of Biotechnology.</li> <li>13. An elementary knowledge of Stem cell research.</li> <li>14. An elementary knowledge of AIDS and its control.</li> <li>15. An elementary Knowledge of Forensic DNA Diagnostics.</li> <li>16. An elementary Knowledge of Swine Flu.</li> </ol> <p><b>Revision</b></p>	<ol style="list-style-type: none"> <li>6. Demonstration of Polymerase Chain Reaction(PCR)</li> <li>7. Project report on visit to renowned</li> </ol> <p><b>Revision</b></p>

Session:- 2022-2023

Name of the teacher:- Dr. Rita Pradhan

Department:- Foods and Nutrition

Semester:- 2 & 4 (Jan-23 to May-23)

M. Sc. Foods and Nutrition (Sem-2)

PG Diploma Nutrition and Dietetics - 2

M.Sc. Foods and Nutrition (Sem-4)

CLASSES	PG Diploma Nutrition and Dietetics - 2		M.Sc. Foods and Nutrition (Sem-4)		M. Sc. Foods and Nutrition (Sem-2)				
Subjects	Applied nutrition-2	Seminar - 2	Diet Counseling and Computer Applications	Alternative Medicine in Nutrition	Principles Of Food Science	Dissertation	Dissertation	Public Health Nutrition-2	Computer Applications in Food
January	Dietary/Fiber, Antioxidants, Functional foods, Fatty acids, Nutraceuticals Water, Weight management Underweight, Overweight	Topics discussion and selection of topics	Operation of diet clinic and counseling Computer nutrition related software Diet Cal	Introduction, Yoga, Ayurveda, Naturopathy Herbopathy Features and importance and principles of alternative medicine, Role of traditional herbal medicines in healing- Chinese, Japanese, Indian medicines	Unit 1- Processing of foods Traditional techniques used in food processing, Effects of processing on components, properties and nutritional value of foods	Submission of finalised introduction, review of literature, methodology	Alignment of students to guides	Programmes planning and management in Public Health Nutrition Planning Management Evaluation National Nutrition Programmes- ICDS Mid Day meal School health program	Basics of computer Ms word Ms excel Ms powerpoint
February	Dietary and behavioral modification Eating disorders Food allergy-management and elimination diet	Seminar conducted	Dietical practice Report and presentation of case study.	Definition and classification of herbal medicinal products Good manufacturing practices and documentation of quality Ayurvedic concept- Dietetics and properties Medicinal plants used in alternative medicines	Unit 2- Cereal cookery/ starch cookery Sugar cookery	Data analysis and results Write up and discussion with guide Review of finalised thesis and modification	Research Topic discussion and deciding of topics	Nutrition Education Communication, Imp need, process, behavioural change methods, Relevance to IEC, Approaches for control of undernutrition, National programmes- IYCF, NRIIM, RCH, IMNCL, WHO, Standards in India- Importance and implications National nutrition policy	Use of word processing software for creating reports
March	Food intolerance, Gluten and lactose, Febrile conditions Acute and chronic febrile Metabolic changes and dietary management (Dietary modifications and counseling during metabolic stress	Seminar conducted	Visit to certain institutions Dietetics dept	Alternative medicine therapies – concept and principle of Mind body techniques – support groups, counselling, hypnosis, art therapy, Body based practices – massage therapy, reflexology, aromatherapy, osteopathy, acupuncture	Unit 3- Fats and oils Protein rich animal and plant origin	Modifications and improvements	Topic shortlisted	Population dynamics Demographic Transition Population Structure Implications on quality of life Population Policy Attention Development (KIDS) (MDCs)	Data entry in excel sheet format for data analysis and statistical tools application (t-test, Chi square, Correlation, Anova)
April	Injury Trauma Sepsis HIV/AIDS	Seminar conducted	Presentation of visit to various institutions like Anganwadis/Hotel Industry/Hospital Dietetics department (NGO)	Importance and concept of diet in Yoga Naturopathy	Unit 4- vegetables and fruits Basic concept of new product development	Conclusion and summary write up and modifications and finalisation of dissertation	Topic finalisation	Multinational Development Goals and its relationship with nutrition New emerging public health Problems of NCDs	Use of Nutritional software diet cal and nutrcal for calculation of nutritive value of Diets/foods
May	Discussed of doubts and revision		Dietical practice	Assignments	Revision	Finalisation and submission of dissertation	Assignments and revision	Revision	Dietical practice

Rp

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: 2022-2023 (January-June)

Name of the teacher: Neelam Kumari

Department: Human Development and Family Relations

CLASSES	B. Sc. Home Science 4 <sup>th</sup> Semester	MSc Home Science (Human Development and family Relations) 2 <sup>nd</sup> Semester	MSc Home Science (Human Development and family Relations) 4 <sup>th</sup> Semester
Subjects	Development in Early Childhood	Development of creativity in children	Persons with disabilities
January 2023	Physical development in Early Childhood	Observations of Play activities of Pre-school	Creativity: definition, concept, types, problem solving, Scope
February 2023	Motor Skills in Early Childhood	Folder: All round development	Psychology-dynamic and psychometric approach
March 2023	Cognitive development, Factors affecting	Interview of Mothers on Parenting	Cognitive and confluence approach
April 2023	Language development and its factors	Display: All round development of Children	Role of creativity in development of child, Relation between creativity and intelligence
May 2023	Play: Importance and Types	Presentation of File work Feedback	Influence of child rearing practices, brainstorming etc.
		Tests of creativity (any one)	Various approaches to define and understand disabilities: philanthropic, medical, administrative, legal and social
		Surveying modern creative techniques using different schools	Role of context in the meaning of normality and disability, attitudes of people towards disability
		Plan and develop a resource file of creative activities	Philosophy of inclusion Techniques of identification and assessment.
		Workshop plan for giving orientation to enhance creativity in children	Physical and social barriers in development of persons with disabilities, Rights vs needs of persons with disabilities.
		Executing the workshop	Use of assistive devices, Programs and policies for persons with disabilities, PWD act.

Neelam

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session: - 2022-2023 (even Semester)

Name of the teacher: Dr. Chhaya Verma

Department: Clothing and Textiles

Semester: January, 2023-May, 2023

CLASSES		B.Sc. (F.D.)- 2 <sup>nd</sup> Sem		M.Sc. (C&T)- 2 <sup>nd</sup> Sem	
Subjects	Textile Science-II(Th)	Textile Science-II(Pr)	Textile Testing (Th)	Textile Testing (Pr)	
January, 2023	Types of yarn – Spun, filament, simple, novelty, bulk and textured Effect of twist and direction of twist	Stain removal	Objectives and Role of Textile Testing Sampling, Standard atmosphere for textile testing, Moisture relations and testing,	Fiber Tests: Fiber Bundle Strength - Cotton Fiber Length Distribution	
February, 2023	Spinning – mechanical and chemical Mechanical spinning - Ring spinning, open end spinning, DREF (Friction Spinning), water jet spinning and air jet spinning Chemical spinning – Dry, wet and melt spinning	Preparation of starches- arrowroot and gum Arabic.	Physical testing of fibers: Fiber length and length distribution, density and specific gravity, fibers fineness and maturity. Mechanical, Thermal, electrical and optical properties of fiber	Yarn Tests: Structure - Yarn Count - Breaking Strength Fabric Analysis: Width, Count, Thickness, Weight and Crimp	
March, 2023 (Mid-Term Exam 27/03/2023- 31/03/2023)	Soaps and detergents- Composition, types, qualities, manufacturing and cleansing action of soaps and detergents.	Laundering of special garments: Terry cot shirt -	Physical testing of yarns: Yarn types and structure, Twist and twist measurement, Yarn count and diameter determination. d) Breaking strength of yarns	Breaking Strength & Elongation - Bursting Strength - Tearing strength	
April, 2023	Blues- Types and uses Bleaches- Types and Application.	Laundering of special garments: Woolen garment (pullover/cardigan)	Fabric testing: thread count, weight, crimp, thickness. Porosity, air- permeability, thermal conductivity and Dimensional stability of fabrics	Dimensional change in laundering Drappability Seam Slippage	
May, 2023	Stiffening agents- Types and uses	Laundering of special garments: Silk scarf - Table cloth	Mechanical properties: breaking, bursting and tearing strength of fabrics. Crease recovery, bending stiffness and drapability of fabrics, Serviceability of fabrics	Colour fastness to: Laundrying, Crocking, Pressing, Perspiration and Sunlight	

*Chhaya Verma*

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session: - 2022-2023

Name of the teacher: - Dr. Sonia

Department:- Clothing and Textiles

Semester:- Jan'2023-May'2023

CLASSES	B.Sc. (F.D.)- 6 <sup>th</sup> Sem	B.Sc. (F.D.)- 6 <sup>th</sup> Sem	M.Sc. (C&T)- 4 <sup>th</sup> Sem
Subjects	<b>Textile Printing and Finishing(Th)</b>	<b>Textile Printing and Finishing (Pr)</b>	<b>Image Styling (Pr)</b>
<b>January, 2023</b>	Introduction to Printing and its importance, Printing Auxiliaries.	Vegetable, Object, thread printing and textures of various fabrics and things	Principles of Design
<b>February, 2023</b>	Decumming, Bleaching, Scouring, Block Printing, Screen Printing, Stencil Printing, Roller Printing.	Blending Techniques, Block Printing and Different placement	Elements of Design, Component of fashion, Fundamental of styling: Body shape, face shape and skin tone, Latest trend /fashion
<b>March, 2023</b> (Mid-Term Exam 27/03/2023-03/04/2023)	Rotary Printing, Transfer Printing, Post Treatment, Heat setting, Steaming, Washing, Introduction and importance of Finishes, Classification of finishes, Basic Preparation of Fabrics, Singeing, desizing, scouring and Bleaching	Positive and Negative Stencil Printing, Flat Screen Printing	Suitability of different types of dresses and accessories for different occasions, styling of different figure types
<b>April, 2023</b>	Mechanical finishes Chemical finishes	Photographic Screen Printing	Etiquette and grooming, Presentations
<b>May, 2023</b>	Final exams	Final exams	Final exam

*Sonia*

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session:- 2022-2023

Department:- Human Development

Semester:- January-May 2023

CLA SSES	Name of the Teacher:- Dr. Neha Sharma	B.Sc. H.Sc. HDRF 6th Sem	B.Sc. H.Sc. HDRF 6th Sem	M.Sc. Home Science HDRF 2nd Sem	M.Sc. H.Sc. HDRF 2nd Sem	P.G. Diploma in CGFC 2nd Sem	M.Sc. H.Sc. HDRF 4th Sem	M.Sc. Home Science HDRF 4th Sem	M.Sc. H.Sc. HDRF 4th Sem
Sub	Introduction to Theories of Human Development-II	Marriage and Family (th + pr)	Guidance & Counseling Across Life Span (th + pr)	Dissertation on (Synopsis)	Theoretical Perspectives in Child Development-II	Law, Policy and Programmes for Children and Women	M.Sc. Home Science HDRF 4th Sem	Psychological Well-being Across Life Span (practical)	Dissertation
Jan	Freud - Brief description of the psychosexual stages of development. -Contribution and limitations of the theory.	Family: Definition, types - Changing family trends. (Practical) Interview 5 couples in nuclear or joint families and report their experiences and problems faced. Organize a panel discussion on issues related to marriage by inviting suitable community members.	Meaning, aims, principles and basic assumptions of guidance. Need and importance of child and family guidance vocational and personal. (Practical) Screening college population for problems which needs counselling and conducting counselling sessions. Maintaining records in form of photographs/ video/ audio recordings and files.	Dissertation on (Synopsis)	Middle Childhood -Physical development Cognitive development (Piaget's concrete operational period) -Psychosocial development in middle childhood (Erikson's theory)	The sexual harassment of women at workplace Prevention, Act 2013 Protection of Women from Domestic Violence Act 2005 National Commission for Women Act, 1990 The Indecent Representation of Women (Prohibition)	M.Sc. Home Science HDRF 4th Sem	-Enhancing creativity amongst preschoolers -Life skills strategies for adolescents	Dissertation
Feb	Erikson -Brief description of the psychosocial stages of development. -Contribution and limitations of the theory.	-Intro family life cycle -Contribution of each generation to a happy family. (Practical) Record perceptions of children from different family structures with their parents by using a self-developed tool (interview schedule/ questionnaire and / or observations).	-Guidance of children at home and school/Elementary school years Middle years -Need of sex education at home and school. (Practical) Conducting parent education programs through workshop/seminar/ dramatization/ film shows etc in Chaitanya Nursery School.	Dissertation on (Synopsis)	Adolescence -Physical development -Cognitive development (Piaget's formal operational period) -Psychosocial development during adolescence (Erikson's theory)	Act, 1986 Dowry Prohibition Act, 1961 Five Year plan pertaining to Women and Children National Policy for Women	-Dealing with peer pressure -Enhancing resiliency among the elderly -Enhancing well-being among the elderly	Dissertation	
Mar	h - Comparison of Freud's and Erikson's stages of development. -Kohlberg's theory of moral development.	-Marriage: Definition, types- -Nurturing married relationship- do's /don'ts (Practical) Conduct an interview of 5 male and 5 female young adults related to qualities expected of a marriage partner. Develop a module for pre-marital counselling based on the feedback.	Nature of psychological disorders that require counselling and therapy in the following -Childhood -Adolescence -Adulthood-Old age (Practical) Conducting a case study on an individual experiencing one of the following: -Children experiencing deprivation -Child bullying-Drug abuse Any other trauma.	Dissertation on (Synopsis)	The Behavioral Perspective -Behavioral models of development (Classical conditioning and operant conditioning, factors influencing behavior) -Bandura's social learning theory (theoretical viewpoint, the importance of vicarious learning)	The Juvenile Justice (Care and Protection of Children) Act, 2015 The Prohibition of Child Marriage Act 2006 The Commissions for Protection of Child Rights Act, 2005 (Amendment 2006) The Protection of Children from Sexual Offences Act, 2012 The Immoral Traffic Prevention Act 1956 (Amendment 2006)	- Dealing with job stress -Dealing with mid-life crisis -Dealing with anger	Dissertation	
April	- Nature vs. Nurture- Stance of various theories. -Continuity vs. discontinuity - Stance of various theories.	-Dysfunctional marriage. Causes and Consequences -Impact of dysfunctional marriage on children. (Practical) -Collect and present stories/articles/reports/you tube clippings related to marital discord in the class and discuss various strategies to help the couples in such situations. -Administer any test of marital adjustment and interpret	Meaning, aims, principles, stages and basic assumptions of counselling. Qualities and skills of a counsellor. Techniques of counselling - directive, non directive, eclectic. (Practical)	Dissertation on (Synopsis)	- Emerging trends and issues Comparing theories of human development in the context of - Counselling (consistency, accuracy, relevance, simplicity).	National Guidelines on Infant and Young Child Feeding Integrated Child Development Scheme (ICDS) National Crèche Scheme Poshan Abhiyaan National Policy for Children	-Promoting self-esteem amongst middle school children -Building upon effective study strategies for middle school children	Dissertation	
May	Recapitulation	Recapitulation	Recapitulation	Recapitulation	Recapitulation	Recapitulation	Recapitulation	Dissertation	

*Neha Sharma*



GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-2023

Name of the Teacher:- Dr. Uttara Singh

Department:- Foods and Nutrition

Semester:- II, IV, VI (Jan 2023- May 2023)

CLASSES	B.Sc. Home science 6 <sup>th</sup> semester Dietetics and Composite	M.Sc. Foods and Nutrition 2 <sup>nd</sup> semester	PG Diploma Nutrition and Dietetics	M.Sc. Foods and Nutrition 2 <sup>nd</sup> semester	M.Sc. Foods and Nutrition 4 <sup>th</sup> semester	B.Sc. Home Science 4 <sup>th</sup> semester Dietetics			
Subjects	Nutritional management in health and disease II	Advances in nutrition	Diet therapy	Food hygiene and microbiology	Dissertation	Alignment of students to guides	Dissertation	Submission of finalized introduction, review of literature, methodology	Assessment of Nutritional Status and public health II
January	Etiology, dietary and lifestyle management of liver diseases: Fatty liver. Infective liver	Nutrition Transition – Indian scenario Advances in food agriculture	. Gastro Oesophageal Reflux Disorder (GERD) Peptic ulcer- 1 Diverticulitis Burns Surgey	The importance of hygiene in food service establishments: canteen, hostel, hotel, hospital. Hygienic precautions to be taken during preparation	Research Topic discussion and deciding of topics	Data analysis and results Write up and discussion with guide Review of finalised thesis and modification	. WHO Standards . IAP Standards and Classification Clinical assessment- Advantages and limitations.		
February	Cirrhosis Liver Basic concept of diagnostic tests for diabetes. atherosclerosis hypertension	Pharmacogenomics, Effects of food on drug therapy : Enteral nutrition interactions with medication Drug distribution Drug absorption Drug metabolism. Nutraceuticals Nutrigenomics Nutrigenetics	Ulcerative colitis Constipation Diarrhoea Fatty Liver Hepatitis Cirrhosis Pancreatitis Diabetes mellitus . Etiology, CVD and Atherosclerosis	A brief introduction to environmental sanitation and public health. 4. Sources of harmful micro-organisms and their methods of transmission.	Topic shortlisted Topic finalisation	Modifications and addition of recommendations	. Biochemical tests and their interpretation- Advantages and limitations.		
March	Glomerulonephritis Glycemic index and load	FSSAI HACCP TQM GMP	Ischemic Heart Disease (IHD) Hypertension Cancer	.Staphylococcal food poisoning Investigation of food borne disease outbreaks. Food borne infections Shigellosis Diarrhea.	Synopsis	Conclusion and summary write up and finalisation of dissertation	Methods to improve nutritional quality:		
April	Role of fiber in health and diseases natural foods	Latest trends in nutritional labelling Additives Colors Preservatives Allergen Information	Glomerular nephritis - acute and chronic Nephrotic Syndrome Renal Calculi Dialysis Gout	Refuse Disposal: Methods of collection Storage and disposal Micro-organisms used in food biotechnology. Probiotics and Prebiotics.	Questionnaire preparation	Finalisation and submission of dissertation	Revision		
May	Revision, practice test	Doubt sessions	Tutorial, doubt sessions	Doubt sessions					

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-2023

Departments: - Physics and Physical Education

Name of the teacher: - Mrs. Mona Soin  
Semester: - II & IV (January 2023 to April 2023)

CLASS		B.Sc.[H.Sc.] Semester III	
Subjects	Applied Physics I		
	Theory	Practical	
January 2023	Unit I-Photoelectric effect. Experimental study of photo electric effect. Effect of intensity, potential and frequency on photoelectric current. Laws of photoelectric emission, Einstein's photoelectric equation and Explanation of laws of photoelectric emission on the basis of Einstein's equation. Photo Electric Cell (phototube) and some of its applications	1] Measurement of area, volume and total surface area of a glass slab using Vernier Callipers.	Unit I - Athletic meet - Meaning, Need and Importance, How to organize athletic meet at College level. First Aid-meaning and its practical Application in day to day life and sports injuries
February 2023	Unit-II - LASERS- Introduction, Einstein's quantum theory of radiation-Spontaneous emission, Spontaneous absorption and Stimulated emission, Common components of all Lasers. Lasing Action, Application/Uses of Lasers-Medical, Scientific, Industry and Commercial, Laser Fundamentals: Laser Hazards: MASERS- Introduction, Production of Masers. Applications of Masers  Unit-III. Brief account of Atomic Nucleus, Atomic Number, Mass Number, Nuclide, Nuclear charge, Nuclear size and Nuclear density, Isotopes, Isobars and Isotones-Definition and examples, To calculate number of protons, neutrons, electrons, atomic number and mass number in a given element	2] Measurement of Internal diameter, depth and volume of a beaker using Vernier callipers 3] Measurement of diameter of a metal wire using a screw gauge and find its volume.	Unit II - Field Events : Jump- High Jump [a] Dimensions and specification of equipment used [b] Techniques [c] Fouls
March 2023 [Mid Term Exams]	Unit III-Einstein's Mass-Energy relationship, Nuclear forces, Characteristics of Nuclear forces, Elementary idea about Radio Activity - Natural & Artificial, Definition of Half life and average life of a radioactive substance, Units of radioactivity, Radioisotopes and their uses in Medicine, Industry, Agriculture, Carbon dating	4] Measurement of length and diameter of a rice grain using screw gauge. 5] To find resistance and power of a glowing bulb and to calculate energy consumed by it in given hours.	Unit III - Any two Asana out of the following: [a] Dhanurasana [b] Chakrasana [c] Vajrasana [d] Matsayasana Games, Athletics
April 2023	Unit-IV -Nuclear reactions- Nuclear Fission and Fusion, Difference between the two, Brief idea about Controlled and Uncontrolled chain reactions, Conditions for self propagating Chain reaction and Neutron Reproduction Factor, Nuclear Reactor - Principle, Construction and Working, Some uses/ applications of Nuclear Reactor, Short notes on Radiation hazards and Safety Measures, Revision	6] To verify Ohm's law. 7] To study a circuit breaker. Revision	Unit IV - [a] Brief knowledge of Paralympics [b] Knowledge of prominent players of Paralympics games [c] Brief knowledge of Awards and Honors in Various Games Games, Athletics, Yoga Revision
			Unit I - Athletics: Brief knowledge of track and field events, Layout and marking of Track, Middle Distance Races [a] Technique for start, finishing and during running in a race [b] General fouls in track events.
			Unit II - Field Events: Throw: Discuss Throw [a] Dimension of the circle and specification of equipment used [b] Techniques of putting a shot [c] Fouls of throwing events.
			Unit III - Anyone game from the following games: [a] Badminton [b] Kho- Kho [c] Volleyball [d] Yoga - Various Yoga Asanas
			Unit IV - [a] Brief knowledge of Olympic Games [b] Olympic records and World records in Athletic events [c] Knowledge of prominent players of the games in syllabus [d] Brief knowledge of Awards and Honors in Various Games. Games, Athletics, Yoga Revision

Mona Soin

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-2023.

Name of the teacher:- Mrs. SEEMA JATLY Department:-

ART Semester:- IV, II Sem

CLASSES	Bsc. (Hsc.) IV Sem	Bsc. (Hsc.) II Sem
Subjects	ART IN EVERYDAY LIFE	INTERIOR DESIGN AND RESOURCE MANAGEMENT.
Month 1	<ul style="list-style-type: none"> <li>The importance of Aesthetics</li> <li>Its scope, form and</li> </ul>	<ul style="list-style-type: none"> <li>Identification of Goals.</li> <li>Classification of Goals.</li> </ul>
JANUARY 2023	<ul style="list-style-type: none"> <li>Challenges of Indian Art.</li> <li>Patterns to be made on papers to be piecemeal Aids</li> <li>Woman's the vigilance, fuel</li> <li>Smear the vigilance, fuel</li> </ul>	<ul style="list-style-type: none"> <li>Planning of different Resources, Planning of Invitation of Decoration</li> </ul>
Month 2	<ul style="list-style-type: none"> <li>Child, Post liberty etc.</li> <li>Relation of Art with Religion</li> <li>Beauty, Intuition, Making</li> </ul>	<ul style="list-style-type: none"> <li>Budget Planning for a home and family</li> <li>organising events on</li> </ul>
FEBRUARY 2023	<ul style="list-style-type: none"> <li>Beauty, Intuition, Making</li> <li>of Birth, Covers, Accessories</li> <li>Use of Intuition Accessories</li> </ul>	<ul style="list-style-type: none"> <li>college campus only.</li> <li>Themes with</li> </ul>
Month 3	<ul style="list-style-type: none"> <li>How to create accessories for interiors and their importance.</li> <li>Making of Book Covers and</li> <li>Sheets of design.</li> </ul>	<ul style="list-style-type: none"> <li>making of all reports.</li> </ul>
MARCH 2023		
Month 4		
APRIL 2023		
Month 5		
MAY 2023		

Seema Jaty

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-23 Name of the teacher: - Mrs. Annu Deharwal Department: - Clothing & Textiles

Semester: - Even semester (January 2023- May 2023)

CLASS	B.Sc (Fashion Designing) 6 <sup>th</sup> sem	B.Sc (Fashion Designing) 6 <sup>th</sup> sem	Post Graduate Diploma (FD) 2 <sup>nd</sup> Sem	Post Graduate Diploma (FD) 2 <sup>nd</sup> Sem	M.Sc (CT) 2 <sup>nd</sup> sem
Subjects	Textile Printing And Finishing (Th)	Textile Printing And Finishing (Pr) (Group-A & B)	CAD-II	Historic Costumes	Quality Control In Apparel And Textiles (Th)
January, 2023	<ul style="list-style-type: none"> <li>Introduction to finishes and its importance.</li> <li>Printing Auxiliaries</li> <li>Pretreatment of printing Degumming</li> <li>Bleaching Scouring</li> <li>Types of printing Roller Rotary Transfer</li> <li>Methods of printing Blocks, Roller, screen and Stencil</li> </ul>	<ul style="list-style-type: none"> <li>samples and article of Block Printing Single, Double &amp; Multi Coloured printing</li> </ul>	<ul style="list-style-type: none"> <li>Develop Child bodice-block and Sleeve block patterns on Tuka Cad</li> </ul>	<ul style="list-style-type: none"> <li>Historic costumes of - Vedic Period, Mughal Period and British Period</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Quality Control-</li> <li>Definition and importance of quality assurance</li> <li>Concept of Total Quality Management (TQM)</li> <li>Tools of Quality Control</li> <li>Legislation in Textiles/Acts:</li> </ul>
February, 2023	<ul style="list-style-type: none"> <li>Post treatment- Heat setting, Steaming, Washing.</li> <li>Classification of finishes</li> <li>Basic preparation of fabrics-Singeing, Desizing, Scouring and Bleaching.</li> </ul>	<ul style="list-style-type: none"> <li>Making of samples and article of Stencil Printing - Positive and Negative stencils</li> </ul>	<ul style="list-style-type: none"> <li>Develop Basic Skirt Basic Trouser block patterns on Tuka Cad</li> </ul>	<ul style="list-style-type: none"> <li>Historic costumes of Egypt Period Greek Period Roman Period</li> </ul>	<ul style="list-style-type: none"> <li>Standardization in textiles: concept, benefits and levels of standards.</li> <li>Stages of quality control.</li> <li>Garment finishing and Inspection.</li> </ul>
March, 2023 (Mid-Term Exam)	<ul style="list-style-type: none"> <li>Revision of Syllabus</li> <li>Mechanical Finishes- Beeting, Brushing and Shearing, Weighing, Calendaring, Sanforising, Tentering, Simple, Friction, Moireing, Embossing, Schreinering), Napping, Sizing and Glazing</li> </ul>	<ul style="list-style-type: none"> <li>Flat and Photographic Screen Printing and article.</li> </ul>	<ul style="list-style-type: none"> <li>Revision and Practice</li> </ul>	<ul style="list-style-type: none"> <li>costumes of Byzantine, French Costumes and Middle Ages</li> </ul>	<ul style="list-style-type: none"> <li>Role of standard institutions and organizations in Quality control -ASTM, AATCC, ANSI, BSI, BIS, ISO</li> <li>Research Associations and their role SITRA, BTRA, NITRA, ATIRA, MANTRA, IIRA, SASMIRA, WIRA</li> </ul>
April, 2022	<ul style="list-style-type: none"> <li>Chemical Finishes- Mercerizing, Crease Resistant, Fire-proof &amp; Fire Retardant, Waterproof &amp; Water Repellant, Antistatic, Wrinkle Resistant.</li> </ul>	<ul style="list-style-type: none"> <li>Samples and article of Hand painting techniques.</li> </ul>	<ul style="list-style-type: none"> <li>Grading up to four sizes</li> <li>Making summary report and pattern card.</li> </ul>	<ul style="list-style-type: none"> <li>Costumes Renaissance Period, French Revolution and Romantic Period</li> </ul>	<ul style="list-style-type: none"> <li>Parameters for apparel quality testing and control</li> <li>Identification of fabric defects.</li> <li>Packaging and Labelling</li> </ul>

Name of the teacher- Anila

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**  
**SESSION :- 2022-23**  
**Department- Clothing and Textiles**  
**Semester-Even**

Classes	B.Sc.(Fashion Designing)6 <sup>th</sup> Sem	B.Sc.(Fashion Designing)6 <sup>th</sup> Sem	B.Sc.(Fashion Designing) 2 <sup>nd</sup> Sem	M.Sc. (Clothing & Textiles) 4 <sup>th</sup> Sem	M.Sc. (Clothing & Textiles) 4 <sup>th</sup> Sem	B.Sc.(Fashion Designing) 4 <sup>th</sup> Sem
Subjects	Garment construction-VI Practical (A&B)	Line development-II	Basic of Design Practical (A&B)	Fashion Retailing and Merchandising Theory	Fashion Retailing and Merchandising Practical	Fabric construction(A&B)
Jan ,2023	Introductory class -Drafting and adaptation of top with princess seam line	Revision of selected themes Portfolio development -Selection of information for documentation	Introductory class Designing of following motifs and its types in different colorways Geometrical Realistic	Introductory class UNIT-I Meaning of the following terms-Merchandise, Merchandising, Globalization, Marketing Mix, Market Research, Colour Palette etc...	Introductory class Survey of sales promotion techniques followed by any two leading stores	Introductory class -Making of samples of different knots using Macrame
Feb ,2023	-Construction of top with princess seam line -Drafting of circular skirt	-Categorization of documentation -Portfolio making by using appropriate techniques	Designing of following motifs and its types in different colorways -Natural -Stylized -Abstract Different placements of motifs -Vertical	UNIT-II Fashion retail organizations and its division Importance of Fashion Retailing Components of fashion retailing Trends in retailing	A case study of any fashion retail store and report writing of the same	Making samples of Crochet
March ,2023 Mid term exam	File checking Construction of circular skirt	Development of portfolio Making dresses ready for fashion show	Different placements of motifs -Horizontal -Half drop -All over -Diagonal File checking	UNIT-III Fashion Marketing- Meaning, size and structure Revision of syllabus -The fashion marketing process -Role of fashion marketing managers	File checking	Making samples of narrow fabrics by braiding and traditional weaving(Naala Weaving)
April ,2023	- Designing of one-piece dress -Drafting and adaptation of the same	Presentation of the portfolio	Collection of swatches for the following fabrics- -Nursery Prints -Dots, Stripes, checks and plaids -Digital prints -Abstract prints -Paisely and floral motifs	-Consumer behavior and decision making -Marketing strategies -External and internal factors influencing price decisions UNIT-IV -Fashion merchandising process	Thematic window display on the selected topic and evaluation	Selection of technique for final project work and selection of design
May ,2023	Construction of the same -File checking	Final showcasing of dresses	Revision of whole syllabus And complete file checking	Role and responsibilities of fashion buyers -Types of sales promotion -Visual merchandising Revision of all syllabus	Thematic window display on the selected topic and evaluation File checking	Final submission of file and project.



SESSION: 2022-23

SEMESTER: TERM 2 (JAN-MAY 2023)

CLASSES	B.Sc Home Science- Sem 2	B.Sc Home Science dietetics- Sem 6	M.Sc Foods and Nutrition Sem- 2		M.Sc Foods and Nutrition Sem- 4
SUBJECTS	Introduction to foods and nutrition- 2	Fundamentals of food science- 2	Clinical and therapeutic nutrition- 1	Dissertation	Dissertation
January	Unit 1 1. Study of the food groups with respect to their classification, basic composition and nutritive content: Cereals, Pulses and legumes, Fruits and vegetables, Fats and oils, Sugar and jaggery 2. Beverages- tea, coffee, cocoa	Unit 1 1. Structure, composition, classification, selection, storage, anti-nutritional factors and uses in cookery: Cereals and cereal products AND 2. Pulses and legumes	Unit 1 1. Diet prescription and nutritional care process 2. Nutrition in hospitalized patients and causes of malnutrition 3. Diet counseling- definition, process, components and formulation of a diet proforma	Allotment of students to guides	Submission of finalised introduction, review of literature, methodology
February	Unit 2 3. Milk and milk products; Eggs, meat, fish and poultry; Nuts and oil seeds 4. Introduction and general guidelines for safe food storage, Dry food storage, Refrigerated store, Freezer storage	Unit 2 3. Structure, composition, classification, selection, storage, anti-nutritional factors and uses in cookery: Egg and poultry; AND 4. Meat and fish	Unit 2 4. Aetiopathogenesis, clinical picture, diagnostic tests, treatment, preventive aspects: Peptic ulcer Ulcerative colitis AND 5. Diarrhea, Malabsorption syndrome, IBS	Research Topic discussion and deciding of topics	Data analysis and results write up and discussion with guide Review of finalised thesis and modification
March	Unit 3 5. Balanced Diet: Definition and concept; Factors affecting balanced diet 6. RDA – definition; Reference man and woman; Food pyramid Unit 4 8. Methods of preservation – household and commercial	Unit 3 5. Structure, composition, classification, selection, storage, anti-nutritional factors and uses in cookery: Milk and milk products Nuts and oil seeds AND 6. Fruits and vegetables Beverages- tea, coffee	Unit 4 8. Nutrition care in immune deficiency diseases: HIV aids 9. Nutrition Care during Cancers	Topic shortlisted	Modifications and improvements
April	Unit 4 7. Food Preservation- Definition and importance; Food spoilage causes and factors affecting it; Principles of food preservation	Unit 4 7. Structure, composition, classification, selection, storage, anti-nutritional factors and uses in cookery: fats and oils; sugars, spices and herbs 8. safe food handling techniques	Unit 3 6. Classification, etiology, clinical features, diagnostic tests, prevention and Treatment: Viral hepatitis types A and B, Cirrhosis of liver, Hepatic coma AND 7. Glomerulonephritis, Nephrotic syndrome, Acute and chronic renal failure – Dialysis	Topic finalization	Conclusion and summary write up and modifications and finalization of dissertation
May	Assignments, revisions, doubt clearance sessions, revision tests	Assignments, revisions, doubt clearance sessions, revision tests	Assignments, revisions, doubt clearance sessions, revision tests		Finalization and submission of dissertation

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-23

Name of the teacher:- Dr. Poojika Khosla  
 Department:- Music  
 Semester:- II<sup>nd</sup> and IV<sup>th</sup>

CLASSES	BSC (Home Science)	BSC (Home Science)		
	II <sup>nd</sup> Semester	IV <sup>th</sup> Semester		
Subjects	Music (V)	Music (V)		
Month 1 January	Introduction of Rag Yaman and Rishabh Tal Practice of Rag and Tal	Introduction of Rag Rihog and Deepchand Practice of Rag and Tal		
Month 2 February	Introduction of Rag Rishabh and Kaveri Tal. Practice of Rag and Tal.	Introduction of Rag Mallharas and Bilawal Tal. Practice of Rag and Tal		
Month 3 March	Practical and	Theory Exams.		
Month 4 April	Topic of Ugr sketches At Hari Masal Drawing At Faray	Topic of Ugr sketches At. Rode Chulain At At. Zaker Hussain		
Month 5 May	Revision of all the syllabus.	Revision of all the syllabus.		

*Dr. Poojika Khosla*

CLASSES	B.Sc. Home Science (Semester VI)	B.Sc. Home Science (Semester-VI)	M.Sc. Home Science 2 <sup>nd</sup> semester (Clothing Textiles)	M.Sc. Home Science (Human Development and Family Relation) 4 <sup>th</sup> semester
Subjects	Economics and Entrepreneurship Development-II (Theory)	Economics and Entrepreneurship Development-I (Practical)	ENTREPRENEURSHIP (THEORY)	DISSERTATION
January	Unit-I 1. Small business enterprise management. -Setting up of small scale enterprise. -Institutions assisting Small business enterprises in India 2. Problems of small business enterprises in India.	Case study of an entrepreneur The case study will include: 1. Important features of an enterprise. 2. Competencies of an entrepreneur. 3. Sources of finance 4. Reasons for success and failures. 5. Preparation of a report on the basis of case study analysis and giving innovative ideas for better enterprise management.	UNIT - I 1. Entrepreneurship as a process Role of entrepreneurial Entrepreneurship and economic development 2. Entrepreneurship in Textile Industry Entrepreneurial skills and traits Case study of boutique owner	• Submission of finalised introduction, review of literature, methodology
February	Unit-II 3. Business Environment: -Types of Business environment: Micro and Macro Factors affecting business environment 4. Profitability of business: -Social cost and benefit Analysis	Developing a Business Plan for Micro enterprises: Calculation of Break-even point and conducting feasibility analysis.	UNIT -II 3. Small Enterprises and Startups Rationale and objectives Problems of Small enterprises and Startups in India. 4. Small business enterprises in relation to Fashion Industry Procedure and formalities in their setup.	• Data analysis and results Write up and discussion with guide Review of finalized thesis and modification
March	Unit-III 5. Business marketing: - Marketing strategies-packaging, advertising, e-marketing, personal selling 6. Four Ps of marketing: - Product, Price, Place and Promotion.	3. Steps to organize and manage any one of the following: a. Cafeteria/Diet clinic b. Nursery school/Day care c. Boutiques/window and interior store display d. Interior Design studios.	UNIT -III 5. Project; Meaning and classification Project Identification and classification Budgeting and Funding 6. Project Formulation Feasibility analysis Techno-Economic Analysis Financial Analysis and Cost-Benefit Analysis	• Modifications and addition of recommendations
April	Unit-IV 7. Project Finance - Long term and short term sources of finance - Fixed capital and Working capital 8. Project Formulation - Need and scope -Elements of project formulation	Revision	UNIT-IV 7. Project Finance Long term vs short term finance Angel investors 8. Women enterprises in clothing and textiles in India Women entrepreneurs: challenges faced Institutions assisting women entrepreneurs in India	• Conclusion and Summary write up and modifications And finalization of dissertation
May	Assignments, revisions, doubt clearance sessions, revision tests	Revision	Assignments, revisions, doubt clearance sessions, revision tests	• Finalization and submission of dissertation



GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

SESSION :- 2022-23

Name of the teacher- Nidhi Duggal

Department- Clothing and Textiles  
Semester-Even

Classes	B.Sc.(Fashion Designing)2 <sup>nd</sup> Sem	B.Sc.(Fashion Designing)2 <sup>nd</sup> Sem	B.Sc.(Fashion Designing) 4th Sem	PGDFD	B.Sc. (Home Science) ATD – 6 <sup>th</sup> Sem.	B.Sc. (Home Science) ATD – 6 <sup>th</sup> Sem.
Subjects	Garment Construction – Theory	Garment Construction – Practical	Knitting – Practical	Pattern Making II – Practical	History of World Costume - Theory	History of World Costume - Practical
January ,2023	<p><b>UNIT-I</b></p> <p>1. Terminology and details of the following:</p> <p>a) Sleeves: Plain, Puff, Cap, Bell, Petal, leg-o-mutton, Kimono, Reglan and Magyar</p> <p>b) Collars: Peter Pan, Baby, Cape, Sailor, Mandarin, Shawl and Convertible</p>	<p>-Introductory Class</p> <p>Making samples of Neckline finishes</p> <p>- Facing</p> <p>- Binding</p> <p>Making samples of Pockets- - Patch pocket</p>	<p>-Introduction to the subject</p> <p>-Knitting Abbreviations</p> <p>-Tools &amp; Material</p>	<p>Introduction to the subject</p> <p>Introduction to Draping viz.</p> <ul style="list-style-type: none"> <li>- Equipments</li> <li>- Grain</li> <li>- Seam allowance/case</li> <li>- Preparation of fabric</li> <li>- Dress forms</li> </ul> <p>Draping of basic bodice – Front</p>	<p>-Introductory class</p> <p>-Egypt Civilization &amp; study of Costumes worn during this period</p> <p>-Greek Civilization &amp; study of Costumes worn during this period</p>	<p>-Introductory Class</p> <p>-Identification the sources of inspiration from various ancient world civilizations</p> <p>-Illustration of costumes of different Ancient world civilizations – Egypt &amp; Greek</p>
February, 2023	<p><b>UNIT-II</b></p> <p>2. Terminology and details of the following:</p> <p>a) Skirts: Basic, Flared, Circular, Panelled, Gathered, Gored, Godet, Pegged, Tiered and Wrap skirt</p> <p>b) Trousers: Shorts, Jamaica, Bermuda, Pedal</p>	<p>Making samples of plackets-</p> <p>- Continuous placket</p> <p>- Two Piece placket</p> <p>- Bound placket</p> <p>Making samples of Pockets-</p>	<p>Preparation of following hand knitting samples</p> <ul style="list-style-type: none"> <li>- Basic stitches - Rib, Moss, Garter &amp; Single Jersey</li> <li>- Texture</li> <li>- Laces</li> </ul>	<p>Drapign of basic bodice – Back</p> <p>Introduction to Grading</p> <p>Grading of Skirt block</p>	<p>-Influence of Mughal &amp; British Period on Indian Consume</p> <p>-Evolution of Ancient Indian Costumes</p>	<p>-Illustration of costumes of different Ancient world civilizations – Mughal &amp; British</p> <p>-Designing of Contemporary dresses or textiles by taking inspiration from sources</p>

March, 2023 Mid term exam	UNIT-III 3. Handling special fabrics (with special reference to seams, seam finishing and handling while sewing) - Net, fur, leather, sheers, Jersey, Velvet, Corduroy, prints, checks and plaids, sequined fabric.	File Checking Making samples of Zippers- - Visible Zipper. - Invisible Zipper	File Checking Preparation of following hand knitting samples - Cables - Faire-isle	File checking Draping of basic skirt - front and back	Revision of syllabus -Rome Civilization -Byzantine Civilization	-File Checking -Illustration of costumes of different Ancient world civilizations - Rome & Byzantine
April, 2023	4. Preparation of fabric for clothing construction. 5. Fabric estimation and its importance.	Making sample of different Fasteners Making samples of Kurta plackets	Introduction to machine knitting Making samples of Rib & Tuck	Grading of basic bodice and sleeve block	- French costumes worn during following periods- --Middle Ages --Romantic Period	Illustration of French costumes during Middle Ages & Romantic Period
May, 2023	UNIT-IV 6. Lining, interlining and underlining.	Making samples of Kurta pockets	Submission of File & Project work	Preparation of Industrial & Commercial Paper Pattern of Skirt & Top	- French costumes worn during following periods- --Renaissance	Illustration of French costumes during Renaissance -Completion & Final

<p>7. Facing and inter facing. 8. Suitability of different fabrics for different garments</p>				<p>Period – Revision of whole syllabus</p>	<p>submission of files</p>
---	--	--	--	--	----------------------------

*Completed*

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-23

Name of the teacher:- Ms. Shalu Gupta Department:- Extension Education Semester:- 6<sup>th</sup> and 2<sup>nd</sup>

CLASSES	B.Sc. H.Sc. 6 <sup>th</sup> sem (All streams)	B.Sc. H.Sc. 6 <sup>th</sup> sem IDRM	B.Sc. H.Sc. 6 <sup>th</sup> sem IDRM	B.Sc. H.Sc. 2 <sup>nd</sup> sem
Subjects	Extension Education-II (Tn)	Extension Education-I (Ps)	WPD-III	BMC T-II
Month 1 January	Concept of Rural Dev. Intro. to Rural dev. prog. ICDS	Topic selection through brain storming Target selection Preparation of questionnaire Visit to target area	Thermal Insulation	Interior floors Floor coverings Roofs & ceilings Types
Month 2 Feb	Qualities of Ext. workers their roles IDRM, MCNAREKA	Analysis of survey presentation of Ext. prog.	Secure building design	Materials in building - Metals, glass, plastic
Month 3 March	Community development Concepts in basic feeding philosophy. Psychology. Pedagogy	Excursion of Ext. Prog. Report writing	Fire safety	Work simplification techniques. Money management
Month 4 April	Concept of Extension Prog. Planning & its process	Evaluation of Ext. Prog.	Revision	Colours - Classification Properties, colour wheel, Colour schemes & emotional effects
Month 5 May	Concept of Participation & Non-participation Revision	Revision	Revision	Revision

Shalu

CLASS	ES	Subject	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Dissemination
July	BSc. Home Science (3 <sup>rd</sup> semester)	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Synopsis Development of questionnaire and finalization.	
August	BSc. Home Science (3 <sup>rd</sup> semester)	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Data collection	
September	BSc. Home Science (3 <sup>rd</sup> semester)	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Data collection and data entry	
October	BSc. Home Science (3 <sup>rd</sup> semester)	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Write up including: Introduction, methodology, review of literature.	
November	BSc. Home Science (3 <sup>rd</sup> semester)	Physiology and promotive health	Applied Nutrition	Institutional Food Service and Quality Management	Institutional Food Service Management	Human Physiology	Human Physiology	Final draft of write up	

*[Handwritten signature]*

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-23 (January-May)

Name of the teacher:- Sakshi Sharma Department: Clothing & Textiles Semester:- Even

CLASSES	B.Sc. FD 2 <sup>nd</sup> Semester	B.Sc FD 6 <sup>th</sup> Semester	B.Sc. FD 6 <sup>th</sup> Semester	B.sc.(H.Sc.) composite 6 <sup>th</sup> sem
Subjects	Garment Design	Entrepreneurship Development	Line development	Economics & entrepreneurship development (pr)
January	Design & style read of casual & Party wear frock	Concept & factors affecting entrepreneur & phases of Entrepreneurship Development	Selection of information for documentation.	Introduction to start up, reasons for their failure
February	Design & style read of Romper, & night suit.	Characteristics of women Entrepreneur challenges & Avenues of women entrepreneurship	Categorization of documentation	Formulation of questionnaire
March	Design & Style read of Jump suit	Problems of small enterprises in India Factors affecting business Env	Portfolio making by using appropriate techniques.	Preparation of project report for any failure enterprise Class presentation of project report, SWDT analysis.
Terminal exam				
April & May	Design & style read of Jackets	Sources of new idea hindrances of creativity patent, trademark & copy right.	Development & presentation of portfolio. & Show casing of collection	Presentation of opportunity & idea generation.

Sakshi Sharma

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-23 Name of the teacher: - Mrs. Simar Prabh Kaur Department: - Clothing & Textiles

Semester: - Even Semester (Jan 2023- May 2023)

CLASS	B.Sc (H.Sc) ATD 6 <sup>th</sup> Sem	B.Sc (FD) 2 <sup>nd</sup> Sem	M.Sc 2 <sup>nd</sup> Sem	M.Sc 2 <sup>nd</sup> Sem	M.Sc 2 <sup>nd</sup> Sem
Subjects	Line development and portfolio(Pr)	Needle craft (Pr)	Apparel Design & Construction (Pr.)	Fashion communication (Th.)	Fashion communication (Pr.)
January, 2023	Selection of theme and Development of mood board and color board	Ribbon work & Different stitches of Ribbon embroidery.	Designing and style reading of, Pattern Development, and Construction of Trouser	Communication & mass Communication: scope and functions Need of Mass Communication in Fashion world.	Creative Writing Fashion events, News reporting - Book review
February 2023	Market survey and Material selection. Making swatch board Pattern development of selected designs	Smocking –English Smocking, Smocking Stitches	Designing and style reading, Pattern Development of one piece dress.	5. Creative writing:- Feature & Article Interviews, types of interview. How to conduct an interview, writing report of interview.	film review Interview of one personality from the field of fashion
March, 2022 (Mid term Exam)	Portfolio making	Quilting – • Types of Quilting (hand and machine)	Material layout and Construction of One Piece Dress.	Photography, Editing & techniques of editing.	Photography Develop an album/ Shot book
April 2023	Construction and finishing of garments. Showcasing the collection.	Development of article	Designing and style reading, Pattern Development, of Jacket	Advertising & Public relations	Designing an advertisement
May 2023	Development of digital portfolio	Types of Quilting : Development of article.	Material layout and Construction of Jacket.	Publicity, Ethics of media & Event management	Scrap book of current fashion news

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-23 Name of the teacher: - Mrs. Pratiksha Thapa Department: - Clothing & Textiles

Semester: - Even semester (January 2023- May 2023)

CLASS	B.Sc (Fashion Designing) 4 <sup>th</sup> sem	B.Sc (Fashion Designing) 6 <sup>th</sup> sem	M.Sc (CT) 2 <sup>nd</sup> sem	M.Sc (CT) 4 <sup>th</sup> sem
Subjects	B.Sc (Fashion Designing) 4 <sup>th</sup> sem Fabric Construction-II (Th)	B.Sc (Fashion Designing) 6 <sup>th</sup> sem Pattern & Marker Making on Computer-II (Pr)	M.Sc (CT) 2 <sup>nd</sup> sem Pattern Making-II (Pr)	M.Sc (CT) 4 <sup>th</sup> sem CAD-II (Pr)
January, 2023	Knitting Terminology Types of knitting- warp knitting & weft knitting Properties of knitted fabric	Develop basic block patterns of the Adults bodice-block and □ Sleeve block	Drafting of adult bodice block Drafting of sleeve block.	Study tools of TukaCad Develop basic block pattern of the following: - Adult's bodice block and sleeve block - Skirt
February, 2023	Difference between Knits and woven. Knitting machines- flat bed & circular Different types of knitting machine needles and their working Knitted fabric defects	Develop basic block patterns of the Shirt	Tracing & Cutting of muslin pattern. Construction of muslin pattern and test fit.	Create patterns of the following - Puff sleeve - Magyar - Raglan Manipulation of darts
March, 2023 (Mid-Term Exam)	Non-woven methods of fabric construction: process, properties and end-uses Felting Bonding Needle Punching	Develop basic block patterns of princess line (one-piece dress)	Dart manipulation (slash Spread Techniques, Pivotal) • Single Dart • Two Dart	Create patterns of the following - Flared - Gored - Pleated
April, 2023	Methods of decorative fabric construction • Lace making • Netting • Braiding • Knitting	Dart Manipulation using basic adult basic block Marker layout of all the patterns with summary report	Style lines • Classic Princess style line • Armhole Princess Project: Blouse with princess seam line.	Grading of the basic patterns: -Adult's Bodice Block -Sleeve Block -Skirt Block Study tools of Tuka Mark
May, 2023	Revision	Marker layout of all the patterns with summary report	Project: Blouse with princess seam line.	Marker layout of the developed patterns along with summary report



**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session: - 2022-23 Name of the teacher: - Dr. Preeti/Alagh Department: - Clothing & Textiles

Semester: - Even Semester (Jan 2022- May 2022)

CLASS	R.Sc (FD) 6 <sup>th</sup> Sem	B.Sc (FD) 6 <sup>th</sup> Sem	B.Sc (Home Science) 2 <sup>nd</sup> Sem	B.Sc (Home Science) 1 <sup>st</sup> Sem
Subjects	Fashion marketing and merchandising (Th)	Fashion marketing and merchandising (Pr.)	Introduction to Clothing & Textiles (Pr) (Group-A, B, C, D, E, F)	Introduction to Clothing & Textiles (Th)
January	Terminology - market, marketing, niche, target customer, vendor, supplier, franchise, market research, marketing-mix, mark-up, mark-down. 2. Fashion	Introductory class Survey of sales promotion techniques followed by any two leading stores	<ul style="list-style-type: none"> <li>• Making samples of Fullness- Types of Darts, Tucks, Pleats, Gathers.</li> <li>• Stain removal (turmeric, ink, egg, henna, tea and coffee)</li> </ul>	Manufacturing process and properties of Man-made fibers: Regenerated Cellulosic Fibers: Viscose Rayon & Acetate
February	Marketing Size and Structure Ethical issues in fashion marketing Market segmentation Marketing environment Macro: Supplier, Marketing intermediates, Customers, Competitions Micro: Demographic, Natural, Political	A case study of any fashion retail store and report writing of the same	<ul style="list-style-type: none"> <li>• Neckline</li> <li>• Binding, Facing, Finishes-</li> <li>• Fasteners- Button, Buttonhole, Hook and eye, Press Button.</li> </ul>	Factors affecting selection of clothing: Age, Season, Income, Occasion, Occupation, Sex & Fashion

<p><b>March</b></p>	<p>Fashion Merchandising          Characteristics of merchandiser Role and responsibilities of a merchandiser Steps in Fashion Merchandising          Planning Buying/Procuring Promoting/Selling</p>	<p>File checking</p>	<p>Fibre identification: rayon, Acetate, Polyester          Viscous Nylon.</p>	<p>Manufacturing process and properties of Man-made fibers          Synthetic Fiber: Polyester &amp; Nylon</p>
<p><b>April</b></p>	<p>Fashion Retailing – Retail formats On-Site fashion retailers- Departmental stores, Speciality stores, Chain store and Franchise retail stores. Off- Site fashion retailers- E-tailing, Catalogues, and Home Shopping.</p>	<p>Thematic window display on the selected topic and evaluation</p>	<p>Stain Removal: blood, ball pen, curry, grass, milk, rust, cold drink, juice, shoe polish, paint.</p>	<p>Clothing for different age groups with special reference to fabrics, colours, style and details: Infants, Toddlers, Pre-school children, Adolescents, Adults &amp; Elderly</p>

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Name of the teacher: - Heena Narang Department: - Clothing and Textiles Session: - 2022-23 Semester: - even

CLASSES	B.Sc. (Home Science) 4 <sup>th</sup> Semester	B.Sc. (Home Science) ATD 6 <sup>th</sup> Semester	PGDFD 2 <sup>nd</sup> Sem &	B.Sc. (Fashion Designing) 2 <sup>nd</sup> Semester	PGDFD 2 <sup>nd</sup> Sem &
Subjects	Apparel Construction (Practical)	Needle Craft	Line Development	H.C.P	Fashion marketing and merchandising (Th)
<b>Month 1</b> <b>January</b>	<ul style="list-style-type: none"> <li>Drafting of Child's basic hoodies block and sleeve block</li> </ul>	<ul style="list-style-type: none"> <li>Preparation of samples with the following techniques: A) Patchwork a) Pieced Patchwork b) Applied Patchwork</li> </ul>	<ul style="list-style-type: none"> <li>Introductory class</li> <li>Description about source of inspiration</li> </ul>	<ul style="list-style-type: none"> <li>Introduction of Colonial rule in Punjab</li> <li>Western Education</li> <li>Agrarian Development</li> </ul>	<ul style="list-style-type: none"> <li>Fashion Marketing</li> <li>i) Terminology</li> <li>ii) Buyer Behaviour</li> <li>iii) Customer Satisfaction</li> </ul>
<b>Month 2</b> <b>February</b>	<ul style="list-style-type: none"> <li>Adaptation and Construction of sleeves</li> </ul>	<ul style="list-style-type: none"> <li>Quilting a) Hand-quilting b) Machine quilting</li> </ul>	<ul style="list-style-type: none"> <li>Sheet work regarding source of inspiration</li> <li>Presentation on mood boards and theme boards</li> <li>Creating mood and theme boards on various themes.</li> </ul>	<ul style="list-style-type: none"> <li>Early socio religious reform</li> <li>Socio religious reform movements</li> <li>Development of press and literature</li> </ul>	<ul style="list-style-type: none"> <li>Marketing Strategies</li> <li>Fashion Merchandising</li> <li>Role and Responsibilities of Fashion Merchandiser</li> <li>ii) Steps in Fashion Merchandising</li> </ul>
<b>Month 3</b> <b>March</b>	<ul style="list-style-type: none"> <li>Construction of samples of Plaquettes</li> <li>Construction of samples of Pockets</li> </ul>	<ul style="list-style-type: none"> <li>Applique a) By hand b) By machine c) Reverse applique</li> </ul>	<ul style="list-style-type: none"> <li>Planning a line</li> <li>Creating the Design Concept through Theme board and Mood board</li> <li>Developing the designs</li> </ul>	<ul style="list-style-type: none"> <li>Emergence of political consciousness</li> <li>Garudwara reform movement</li> <li>Struggle for freedom</li> </ul>	<ul style="list-style-type: none"> <li>Fashion Retailing</li> <li>i) Meaning and Concept</li> <li>ii) Store Location</li> <li>iii) On-Site fashion retailers / Fashion Stores</li> <li>iv) Off - Site fashion retailers</li> </ul>
<b>Month 4</b> <b>April</b>	<ul style="list-style-type: none"> <li>Adaptation and Construction of samples of collars</li> </ul>	<ul style="list-style-type: none"> <li>Macrame</li> </ul>	<ul style="list-style-type: none"> <li>Sourcing of the fabric</li> <li>Developing the patterns</li> </ul>	<ul style="list-style-type: none"> <li>Partition and its aftermath</li> <li>Post-independence Punjab</li> </ul>	<ul style="list-style-type: none"> <li>Fashion Promotion</li> <li>i) Advertising</li> <li>ii) Publicity</li> <li>iii) Fashion show</li> <li>iv) Visual Merchandising</li> </ul>
<b>Month 5</b> <b>May</b>	<ul style="list-style-type: none"> <li>Project work</li> </ul>	<ul style="list-style-type: none"> <li>Project work and Exhibition</li> </ul>	<ul style="list-style-type: none"> <li>Preparation of Spec-sheets</li> <li>Garment Construction</li> <li>Show-casing the collection</li> </ul>	<ul style="list-style-type: none"> <li>Map</li> </ul>	<ul style="list-style-type: none"> <li>Fashion Promotion comd.</li> <li>Revision</li> </ul>

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-2023

Name of the Teacher:- Mrs. Manpreet Kaur

Department:- Clothing and Textiles

Semester:- Jan 2023 May 2023

CLASSES	B.Sc. Fashion Designing 4 <sup>th</sup> Sem	PGDFD 2 <sup>nd</sup> Sem	B.Sc. Fashion Designing 4 <sup>th</sup> sem	B.Sc. Fashion Designing 2 <sup>nd</sup> Sem
Subjects	Garment Construction -III (Pr)	Garment Construction -I (Pr)	History of Indian costumes (Th)	Punjabi (Th)
Month 1 (Jan)	Drafting and construction of: Jhabla	Drafting and Construction of following garments: a) Choli Blouse	Indus Valley Period Evolution of costumes from Vedic period to Gupta period.	Chapter 1-3
Month 2 (Feb)	Drafting and construction of: Panty	Drafting and Construction of following garments: Top with Dart- Manipulation	Mughal Period British Period Punjab & Haryana Rajasthan Assam	Chapter 4-6
Month 3 (March)	Drafting and construction of: Bloomer	Drafting and Construction of following garments: Nightwear Trousers	Jammu & Kashmir Himachal Pradesh	Chapter 7-10
Month 4 (April)	Drafting and construction of: Romper Night suit	Drafting and Construction of following garments: Jacket Ethnic Dress	West Bengal Gujarat Maharashtra	Viakaran

## Govt. Home Science College, Sector-10, Chandigarh

Teacher Name:- Navtej Singh  
Session:- 2022-2023

Department:- Computer  
Semester – II

Class	B.Sc.HomeScience-II	B.Sc. Fashion Designing	M.Sc. Foods & Nutrition & Dietetics-II	PG Diploma Nutrition & Dietetics-II
<b>Subject</b>	Computer Applications	Basics of Computer Skills-II	Computer Applications in Foods	Diet Counselling & Computer Operations
<b>Jan</b>	Comp. Memory/ MS Excel	Comp. Memory/ MS Excel	Introduction DietCal	Introduction DietCal
<b>Feb</b>	Comp. Memory,softwares/ MS Excel	Comp. Memory,softwares/ MS Excel	Introduction DietCal	Introduction DietCal
<b>Mar</b>	Operating system ,www / MS Excel Terminal Practical Exam	Operating system ,www / MS Excel Terminal Practical Exam	Introduction DietCal Terminal Practical Exam	Introduction DietCal Terminal Practical Exam
<b>Apr</b>	Internet, Bluetooth and Wi-Fi /MS Excel Practical file Final Practical Exam	Internet, Bluetooth and Wi-Fi /MS Excel Practical file Final Practical Exam	Introduction DietCal Practical file Final Practical Exam	Introduction DietCal Practical file Final Practical Exam
<b>May</b>	Final Theory Exam	Final Theory Exam	Final Theory Exam	Final Theory Exam



# GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-2023

Semester:- January to May 2023

Name of the teacher:- Dr Shikha Garg Department:- Human Development & Family Relations

CLASSES	B.Sc. H.Sc. HDJR 6 <sup>th</sup> Sem	B.Sc. H.Sc. HDJR 6 <sup>th</sup> Sem	B.Sc. H.Sc. HDFR/ composite 6 <sup>th</sup> Sem	B.Sc. H.Sc. HDJR/ composite 6 <sup>th</sup> Sem	P.G. Diploma in Child Guidance & Family Counselling 2 <sup>nd</sup> Sem	P.G. Diploma in Child Guidance & Family Counselling 2 <sup>nd</sup> Sem	P.G. Diploma in Child Guidance & Family Counselling 2 <sup>nd</sup> Sem	M.Sc. Home Sc. HDFR 2 <sup>nd</sup> Sem	M.Sc. Home Sc. HDFR 4 <sup>th</sup> Sem
Subjects	Children with Special Needs-II (Theory)	Children with Special Needs-II (Practical)	Development in early and late (Practical)	Development in early and late adulthood (Theory)	Counseling techniques and applications-II (Theory)	Child guidance and family counselling (Practical)	Theoretical perspectives in child development-II (Theory)	Dissertation (Synops is)	Dissertation
Month 1	- Needs and rights of children with special needs. - Policies and programs.	- Carry out a case study of a child with any impairment.	- Administer and interpret any psychological test.	- Physical development a. Physical changes b. Health and fitness 2. Vocational choice and factors affecting it.	- Stages in counselling process - Current trends and issues in Counselling	Exposure to various modes of Counselling and writing a report on them	Middle Childhood - Physical development - Cognitive development - Psychosocial development in middle childhood - Language development	Dissertation (Synops is)	Dissertation
Month 2	- Physical barriers and Social barriers faced by children with special needs and ways to overcome them.	- Prepare and present a report on welfare schemes being run by Government and N G Os	- Conduct a survey of 5 young couples and assess adjustments made by them	- Personal relationships in early adulthood Selecting mate, romantic love, Friendships, Loneliness.	- Pre-marital counselling - Counselling for expecting mother	Planning effective guidance program for children and parents with a) Behavioural problems b) Emotional problems. c) Social problems.	Adolescence - Physical development - Cognitive development - Psychosocial development during adolescence (Erikson's theory)	Dissertation (Synops is)	Dissertation
Month 3	- Assistive devices for children with special needs.	- Interview any special teacher and get her feedback. Prepare a report of the same.	Prepare a display for bulletin board concerning topics related to early and late Adulthood.	Characteristics of late adulthood. - Changes in men and women.	- Identification and Counselling for population with depression and suicidal tendency - Identification and Counselling for sexual abuse.	Selecting and profiling a case having Marital problems, Executing counselling program and presenting the case in class.	3) The Behavioral Perspective - Bandura's social learning theory	Dissertation (Synops is)	Dissertation
Month 4	- Counselling needs of special children Rehabilitation of special children..	- Prepare a display on current issues related to children with special needs.	- Collect you-tube or power point presentations related to problems	- Changing relationships in late adulthood. - Retirement	- Play therapy Psychodrama/Socio drama and behavioral techniques in counselling	Developing and executing various activities to enhance counselling skills	Emerging trends and issues - Comparing theories of HD in the context of Counselling (consistency, accuracy, relevance, simplicity)	Dissertation (Synops is)	Dissertation
Month 5	Recapitulation	Recapitulation	Recapitulation	Recapitulation	Recapitulation	The students will be given an orientation to internship.	Recapitulation	Dissertation (Synops is)	Dissertation

*Shikha*

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session: - 2022-23 Name of the teacher: - Ms. Chandana Rajput Department: - Clothing & Textiles

Semester: - Even semester (January 2023- May 2023)

CLASS	B.Sc (Home Science) 4 <sup>th</sup> sem	M.Sc CT 2 <sup>nd</sup> sem	B.Sc (Home Science) ATD 6 <sup>th</sup> Sem	CAD - 11	B.Sc (Home Science) ATD 6 <sup>th</sup> Sem	B.Sc (Fashion Designing) 6 <sup>th</sup> sem	B.Sc (Fashion Designing) 6 <sup>th</sup> sem
Subjects	Apparel Construction (Th) Section A and B	Computer Applications In Clothing And Textiles				Pattern Making (Pr) (Group-A & B)	
January, 2023	*Suitability of different natural fabrics for different garments: Cotton, Linen, Wool, Silk *Suitability of different man-made fabrics for different garments:	*Study in detail different tools of Photoshop. *Create composition of stripes, checks in various textures and colours. *Pick up a costume worn by a famous fashion model. *redesign the texture and colour combination of the dress.	*Detailed study of different tools of Photoshop. *Creating textile prints by using different placements			*Draping of the following:- Front and Back basic bodice block	
February 2023	*Preparation of fabric before cutting *Different types of layout. *Handling of Special Fabrics and Knowledge of size of needles, threads and stitches according to the fabric.	*Create Logos, Pamphlets and Visiting Cards. *Study in detail different tools of the software. *Create a composition of geometrical shapes, traditional and contemporary motifs.	*Designing a mood board according to the selected theme.			*Draping of the following:- Top with Princess line Basic skirt front and back	
March 2023 (Mid-Term Exam)	*Garment details – *Terminology, various types and suitability of the following to different garments:- Collars, Sleeves, Pockets, Plackets	*Line development of the following Bed linen Table linen Curtains and Towels	*Detailed study of different tools of Tuka Design.			*Draping of the following:- Basic skirt front and back	
April 2023	*Garment Style:- a) Skirts b) Trousers c) Jackets and Coats d) One piece dresses	a) Study in detail different tools of the Riptrace software. b) Drape the fashion figures in different silhouettes. c) Create design collection.	*Drafting of Child's Bodice Block with Sleeve.			*Draping of the following:- Skirt with flare	

**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

Session:- 2022-2023

Name of the Teacher:- Ms Nupur Bhatnagar

Department: Human Development

Semester:-Jan '23 -May 2023

CLASSES	BSc H.Sc 1st yr	M.Sc HDFS 2 <sup>nd</sup> Sem	PG Diploma CGFC
Subjects	Introduction to HD-II (Theory and Practical)	<ul style="list-style-type: none"> <li>Physical Growth and Development</li> <li>Mental Health in Developmental Perspective</li> </ul>	<ul style="list-style-type: none"> <li>Counselling for Child with spl needs(Th)</li> <li>Introduction to Guidance &amp; Counselling II (Th)</li> </ul>
Month 1	L.1-Stages of prenatal period		1. Intro n meaning of counselling
Month 2	L.2- factors influencing prenatal period L.3- Types of Child Birth Questionnaire method and preparation (Practical) L.4- Complications Revision Lullabies (Practical )	1 Biological n physio foundations of growth n dev 2- Factors 1- Mental health def, concept, imp 2-National mental health policy of India 3-Principals of growth n dev	2-Assumptions and principles of counselling 3- Approaches to counselling 4- Skills of counselling 1-Intro to child with spl needs . Needs and rights 2-Spl requirements of families with Spl Needs 3- Identification, Edu , rehab of Emotional n behav. Problems 4- Identification, Edu , rehab of Child with Learning Disability
Month 3	Revision Terminal examination L.5- Reflexes Recording of reflexes (Practical )	3-Mental health needs, safety, security 3b-Behaviour difficulties 4-T otal dev of child as related to Environment 2-Infancy 5-ICMR norms of Physical Dev Recapitulation	Recapitulation Terminal examination 5-Psychodynamic theories of G&C 5- Design, implement, Monitor family service plans for families with spl needs 6-Childhood mental disorders
Month 4	L.6-Milestones L.7- Factors Preparation A V aids (Practical )	6- Identification , causes and effects of Malnutrition 4-Middle childhood 5-Adolescence	6-Transactional Analysis 7-Rational Emotive therapy 7-Common psycho n behavc problems of child with impairments
Month 5	L.8-Pattern of growth n dev Revision	7-Nutritional status of child in India 8-Nutrition in infancy and pre school years 6-Adulthood	8-behavioral and cognitive interventions in Counselling 8-Parenting children with Spl needs

Nupur  
 03/05/23



**GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH**

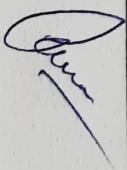
Department: - English

Semester-II

Teacher Name: Gaurav Kalra

Session: - 2022-2023

Class	B.Sc. Home Science- Sem-II	B.Sc. Fashion Designing Sem-II
Subject	English Language and Communication Skills	English I
Jan	Overview of lesson(Prose) Letter to a Teacher Unit-I(Poem) The Unknown Citizen What is Report Writing? Types of Report Writing With Examples	Discussion on the lesson The Position of Women in Ancient India Classroom Presentation
Feb	Overview of lesson(Prose) The Best Investment I Ever5 Made Unit-I (Poem) Anthem for Doomed Youth Discussion on Informal Letters with Examples	Overview of lesson(Prose) JC Bose by Aldous Huxley Practice of Preciis Writing with examples
Mar	Overview of lesson(Prose) Taking the law in Their Hands Unit -I (Poem) Dover Beach Correction of Sentences (Terminal Exam)	Discussion on the play The Proposal by Anton Chekov Classroom Presentation Letter Writing (Letter to the Editor) (Terminal Exam)
Apr	Overview of lesson(Prose) The Elixir of Life Unit I(Poem) Telephone Conversation Practice of Correct forms of Verb with Examples Revision of the Poems and Prose Homophones with Examples	Discussion on the play Riders to the Sea Practice of match of the following from the prescribed text Discussion on the play Lithuania Unseen passage for Comprehension
May	Final Exam	Final Exam



GOVT. HOME SCIENCE COLLEGE, SEC 10R-10, CHANDIGARH

Session:- 2022-2023

Name of the teacher:- Dr. Reenu

Department:- Chemistry

Semester:- Term II (Jan 2023 – May 2023)

CLASSES	B.Sc. Home Science (Semester IV)	B.Sc. Home Science (Semester VI)	M.Sc. Foods & Nutrition (Semester II)	M.Sc. Foods & Nutrition (Semester II)	M.Sc. Foods & Nutrition (Semester IV)
Subjects	Applied Chemistry II	Nutritional Biochemistry II	Biochemical Food Analysis & Instrumentation	Alignment of Students	Dissertation Formulation of first draft of dissertation thesis
January	Unit-I Chapter 1: Alcohols- Properties and uses of ethyl alcohol, use about methylated spirit, absolute alcohol and power alcohol Chapter 2: Properties and uses of acetic acid Doubts and Assignments	Unit-I Chapter 1: Carbohydrate metabolism (glycolysis, gluconeogenesis, glycogenesis, glycohemolysis) Chapter 2: Biological oxidation: Citric acid cycle, Electron transport chain Doubts and Assignments	Unit-I Chapter 1: Biochemical Techniques: Principles and applications of Homogenization and methods of disrupting cells and tissues, Cell fractionation, Spectroscopy- Beer- Lambert law, UV, Visible Spectrophotometry, (colorimetry) Chapter 2: Biochemical Techniques: Principles and applications of pH meter, Centrifugation (Preliminary introduction to various types of centrifuges) Doubts and Assignments	General research discussion and perspective	Proof reading and results rechecking
February	Unit-II Chapter 3: Properties and uses of Benzene, Phenol Chapter 4: Preparation and uses of Benzene diazonium chloride Doubts and Assignments	Unit-II Chapter 3: Metabolism Proteins – general reactions of amino acid metabolism, urea cycle, Lipids – oxidation and biosynthesis of fatty acids Chapter 4: Fluid (ECF, ICF), electrolyte (Na, K) and acid-base balance, Fundamentals of membrane transport – osmosis, passive diffusion, facilitated diffusion, active transport Doubts and Assignments	Unit-II Chapter 3: Biochemical Techniques: Principle and applications of Chromatography, Adsorption (Column and thin layer), Gel filtration, Affinity, Ion Exchange Electrophoresis, SDS PAGE and native electrophoresis, agarose electrophoresis, Protein separation & Characterization Chapter 4: Food analysis: Introduction, Titrable acidity, Moisture and ash, Principles of chemical and instrumental methods for the qualitative and quantitative analysis of moisture, minerals and vitamins. Doubts and Assignments	Literature Survey	Review of finalized dissertation thesis.
March	Unit-II Chapter 5: Cosmetics: Brief study and elementary idea about ingredients- cold cream, vanishing cream, lipstick, mascara, deplatories. Use of fluoride toothpaste and chemistry of cold cream. Chapter 6: Chemistry in medicine: Anti pyretics and Sulpha drugs Chapter 7: Food Additives. Doubts and Assignments	Unit-III Chapter 5: Introduction to Enzymes: Definition and classification of enzymes, Specificity of enzymes, Isoenzymes, Coenzymes, Allosteric enzymes Chapter 6: Enzymes: Factors affecting enzyme catalysis, Enzyme inhibition- Competitive, Non-Competitive, Uncompetitive, Feedback inhibition Doubts and Assignments	UNIT-III Chapter 5: Carbohydrates: Qualitative and quantitative analysis of food carbohydrates, Dietary fibre, crude fiber Chapter 6: Proteins: Methods of estimation of amino acids and proteins, Chemical and biological evaluation of nutritional quality of proteins. Doubts and Assignments		Finalization and submission of dissertation thesis
April	Unit-IV Chapter 8: Polymerization and Polymers- Definition and classification. Chapter 9: Polymers in textiles: Chemistry of synthetic fibers- Nylon, Polyester and Acrylic fibers. Chapter 10: Fertilizers: Nitrogen, Potassium and Phosphorus Doubts and Assignments	Unit-IV Chapter 7: Hormones: Mechanism of action of hormones (intracellular & nuclear receptors, Pancreatic Hormones (Insulin, Glucagon-no structures), Role in blood, sugar regulation), Biological role of Pituitary hormones Chapter 8: Functions of hormones of adrenal cortex and medulla, thyroid, parathyroid glands Doubts and Assignments	UNIT-IV Chapter 7: Fats: Physical and chemical characteristics of various fats and oils, Iodine value, saponification value, acid value, Reichert-Meissel value of important oils. Storage changes in fats and oils Chapter 8: Enzymes: Enzymes involved in food deterioration and preventive measures, Enzymes as aids in food processing operations and economical significance. Biotechnological applications of enzymes Doubts and Assignments	Research Topic Discussion and Selection	
April	Assignments and revision tests	Assignments and revision tests	Assignments and revision tests	Making of Strategic plan to initiate research work	

*Reenu*

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session:- 2022-23

Department:- Dance

Semester:- III<sup>rd</sup> & IV<sup>th</sup>

Name of the teacher:- \_\_\_\_\_

CLASSES	B.S.C (H.S.C) II <sup>nd</sup> Semester	B.S.C (H.S.C) IV <sup>th</sup> Semester		
Subjects	<u>Dance (Kathak)</u>	<u>Dance (Kathak)</u>		
Month 1 January	Revision of Folk-dance Levrit Introduction of Teen Tal Todkas	Revision of Levrit Introduction of Chakradar Paran		
Month 2 February	Introduction of dharani & Anand Practise of Both	Introduction of Chakradar Tollak & Kauri - Teen Tal Practise of Both		
Month 3 March	<u>Practical &amp; Theory Exam</u>			
Month 4 April	Introduction of Layalati in Chaurai Introduction of 10kas & Anand in Chaurai	Introduction of Chakradar Tolka, Chaurai Introduction of Paran & Sant Chaurai		
Month 5 May	Revision	Revision		

GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session: - 2022-23 Name of the teacher: - Mrs. Preeti Sodhi Department: - Clothing & Textiles

Semester: - Even semester (Jan. 2023- April 2023)

CLASS	B.Sc. FD-IV Sem.	B.Sc. FD-IV Sem.	B.Sc. ATD & Composite-VI Sem.	B.Sc. ATD & Composite-VI Sem.
Subjects	Fashion Illustration (Pr.)	Fashion Concepts (Th.)	Traditional Textiles (Th.)	Traditional Textiles (Pr.)
January 2023	1. Drawing of croqui and fleshing of figure.	UNIT-I 1. Brief explanation of Fashion Trends, Designer Boutiques, Silhouette etc.	UNIT - I 1. Resist dyed textiles	1. Collection of swatches/photographs and study the motifs, designs of Dyed textiles
February 2023	<ul style="list-style-type: none"> <li>Drawing of hands, legs, feet and arms Facial proportions</li> <li>Drawing of hair/hairstyles</li> </ul>	UNIT-II 2. Theories of fashion	UNIT- II 2. & 3. Block printed & painted textiles	2. Collection of Printed and painted textiles 3. Tie and Dye
March 2023 (Mid-Term Exam)	Practice Work 2. Rendering of textures by using different colour mediums and techniques	Revision UNIT-III 3. Source of inspiration 4. Fashion supplies; 5. Concepts of design process	Revision UNIT - III 4. Kashmir shawls 5. Kashmir carpets	Practice Work 3. Block printing
April 2023	3. Sketch and illustrate following accessories: Footwears & Handbags	UNIT-IV 6. Fashion forecast 7. Fashion leaders	UNIT - III 6. Namda 7. Gaba UNIT-IV 8. Traditional Woven Textiles	2. Collection of Traditional Woven Textiles 3. Stencil printing.

*Preeti*

## GOVT. HOME SCIENCE COLLEGE, SECTOR-10, CHANDIGARH

Session : - 2022-2023

Name of the teacher : - Dr. Vasudha Bansal

Department : - Foods and Nutrition

Semester : - 1<sup>st</sup> term (Aug 2022- Dec 2022)

CLASSES	M.Sc. FOODS AND NUTRITION SEMESTER-1	PG DIPLOMA NUTRITION AND DIETITICS	M.Sc. FOODS AND NUTRITION SEMESTER-3	B.Sc. HOME SCIENCE SEMESTER-3
Subjects	NUTRITIONAL BIOCHEMISTRY	INTRODUCTION TO MICROBIOLOGY	NUTRITIONAL BIOCHEMISTRY	FOOD MICROBIOLOGY AND QUALITY CONTROL
AUGUST	<p>UNIT -1</p> <p>Biological oxidation: free energy, redox reactions, respiratory chain, high energy compounds and oxidative and non-oxidative phosphorylation.</p> <p>Carbohydrate metabolism- TCA cycle, HMP pathway, Glycolysis, glycogenolysis, gluconeogenesis.</p>	<p>UNIT-1</p> <p>History of microbiology, sub-disciplines of microbiology</p> <p>Prokaryotic cell structure, intro to micro-organisms in foods.</p> <p>UNIT-2</p> <p>Physical and chemical methods to destroy microorganisms</p>	<p>UNIT-1</p> <p>Biomolecules, Carbohydrates: classification and importance, Classification of lipids and proteins</p> <p>UNIT-2</p> <p>Intermediary metabolism; Carbohydrates- TCA cycle, glycolysis, gluconeogenesis, blood sugar regulation</p>	<p>UNIT-1</p> <p>History of food microbiology, morphology of bacteria, yeast and fungi</p> <p>Role of microorganisms in foods</p> <p>Factors affecting physiological growth of microorganisms</p>
SEPTEMBER	<p>UNIT-2</p> <p>Protein metabolism: Urea cycle, biosynthesis of proteins, genetic code.</p> <p>Lipid metabolism: Fat metabolism, oxidation and biosynthesis of lipids, ketone bodies</p> <p>UNIT-3</p> <p>Enzyme inhibition and regulatory enzymes: covalent and allosteric</p>	<p>UNIT-2</p> <p>Cultivation of microorganism: Nutritional requirements, types of media used and methods of isolation</p> <p>UNIT-3</p> <p>Measurements and growth of microorganisms and factors affecting it. Use of high and low temperature, irradiation, dehydration and preservatives</p>	<p>UNIT-2</p> <p>Proteins- urea cycle, Lipids: beta oxidation ketone bodies and de novo synthesis of fatty acids</p> <p>UNIT-3</p> <p>Enzymes- definition, classification and factors affecting</p>	<p>UNIT-2</p> <p>Food spoilage: milk, bread, canned foods, vegetables, fruits, meat, eggs, fish</p> <p>Physical and chemical means for destruction of microbes</p>
				<p>UNIT-1</p> <p>Concept of nutrition transition, RDA</p> <p>UNIT-2</p> <p>Classification, digestion, absorption, RDA, deficiency and excess: carbohydrates</p>
				<p>UNIT-2</p> <p>Proteins: Digestion, absorption, digestion RDA, deficiency and excess.</p> <p>Concept of essential and non-essential amino acids.</p> <p>UNIT-3</p> <p>Fats: classification, digestion, absorption, RDA, deficiency and excess</p>



OCTOBER	UNIT-3 Enzymes: classification and factors affecting, derivation of Michaelis-Menten, Lineweaver-Burk equation	UNIT-4 Contamination and spoilage of- Cereals, fruits and vegetables, meat, egg, milk and canned foods	UNIT-3 Hormones: Introduction, mechanism and biological role of insulin and glucagon	synopsis	UNIT-3 Importance of microbes in food biotechnology: GMO, probiotic, prebiotic and single celled proteins	UNIT-3 Fat soluble vitamins: A, D, E, K
NOVEMBER	UNIT-4 Nucleic acids: DNA and RNA Metabolism of nucleic acids Biochemical mode of action of hormones.	UNIT-4 Microbiological safety of foods	UNIT-4 Vitamins – biochemical role Vitamins: fat soluble and water soluble Minerals- macrominerals and microminerals		UNIT-3 Application of food microbiology/ UNIT-4 Food borne illness: food infection and food poisoning. Assessing the microbiological quality of food	UNIT-4 Water-soluble vitamins Minerals: calcium, iron and iodine
DECEMBER	Revision classes	Doubt sessions	Revision classes	Synopsis- II	Revision and doubt session	Revision classes

Name of the teacher: Ms. Akshata Verma Department: FRM Semester: Term 2 (Jan-May 2023)  
 Session: 2022-23

B.Sc. Home Science (IDRM 6 <sup>th</sup> Sem)		B.Sc. Home Science (IDRM & Composite 6 <sup>th</sup> Sem)	
CLASSES	Sustainable Buildings	Advanced AutoCAD	Consumer Education
<b>Month 1</b>	<p><u>Unit 1: Sustainable buildings: introduction, concept, importance, benefits</u></p> <p><u>Unit 3: Methods of achieving sustainable design: resource conservation- energy, water, material</u></p>	<p>Plotting Drawings: Plot command, selecting area for plotting, scale of plot, scale to fit, selecting plotting device, selecting paper size and type, print preview</p> <p>Practice sheets</p>	<p><u>Unit 1: Consumer education: meaning, need, Sound/wise buying practices</u></p> <p><u>Unit 2: Consumer rights &amp; responsibilities</u></p>
<b>Month 2</b>	<p><u>Unit 2: Principles of sustainable design: economy of resources, life cycle design, humane design</u></p>	<p>3d Modelling: Extrude section, slice, solid editing, rendering, shading, hide command, import-export</p> <p>Practice sheets</p>	<p><u>Unit 2: (contd.) Consumer protection through consumer aids: Labels, catalogues, advertisement, guarantee/warrantee</u></p>
<b>Month 3</b>	<p><u>Unit 3: (contd.) Sustainable construction material, planning &amp; designing sustainable building</u></p>	<p>Practice sheets</p>	<p><u>Unit 3: Consumer protection through certification marks- PFA, FPO, ISI, Agmark</u></p> <p><u>Consumer protection through certification marks- Hallmark, ecomark, woolmark</u></p>
<b>Month 4</b>	<p><u>Unit 4: Indian Green Building Council (IGBC): green rating system in India</u></p>	<p>Practice sheets</p>	<p><u>Unit 4: Role of govt. agencies in consumer affair: DMI, BIS, Food adulteration act, MRTTP act, FSSAI, Controller of weights and measures</u></p>
<b>Month 5</b>	<p>Revision Assignments</p>	<p>Practice sheets Revision</p>	<p>Revision Assignments</p>

*meena*