

B.Sc Home Science

S.No.	1st Semester.	Code
1	English Language & Communication Skills	P-101
2	Communication and Instructional Technology	P-102
3	Introduction to Human Development - I	P-103
4	Food Science	P-104
5	Human Physiology	P-105
6	Computer Basic	P-106
7	Environmental Science- Qualifying Paper	P-107
	IInd Semester.	
1	Introduction to Textiles	P-201
2	Introduction to Resource Management	P-202
3	Applied Physics	P-203
4	Applied Chemistry	P-204
5	Sanitation & Hygiene	P-205
6	Meal Management	P-206
	III rd Semester.	
1.	Family Dynamics	P-301
2.	Human Development -II	P-302

3.	Consumer Economics	P-303
4.	Nutritional Bio-Chemistry	P-304
5.	Laundry Science & Finishing of Fabrics	P-305
6.	Applied Life Science -I	P-306

S.No.	IVth Semester	
1.	Introduction to Clothing Construction	P-401
2.	House Hold Equipments	P-402
3.	Food Microbiology	P-403
4.	Applied Life Sciences -II	P-404
5.	Human Development- III	P-405
6.	Community Nutrition	P-406
	Vth Semester	
1.	Therapeutic Nutrition	P-501
2.	Human Development- IV	P-502
3.	Community Development	P-503
4.	Family Housing	P-504
5.	Advanced Clothing Construction	P-505
6.	Nursery School Education	P-506

	Vlth Semester	
1.	Textile Design	P-601
2.	Interior Decoration & Art Principles	P-602
3.	Food Preservation & Protection	P-603
4.	Entrepreneurship & Motivation	P-604
5.	Extension Training & Management	P-605

B.Sc.Home Science

S.No.	1st Semester.	Th.	Pr.	Total
1	English Language & Communication Skills	50	-	50
2	Communication and Instructional Technology	50	50	100
3	Introduction to Human Development -I	50	25	75
4	Food Science	50	50	100
5	Human Physiology	50	25	75
6	Computer Basic	50	50	100
7	Environmental Science- Qualifying Paper			
	Total	300	200	500
	IInd Semester.			
1	Introduction to Textiles	50	50	100
2	Introduction to Resource Management	50	50	100
3	Applied Physics	50	25	75
4	Applied Chemistry	50	25	75
5	Sanitation & Hygiene	50	-	50
6	Meal Management	50	50	100
	Total	300	200	500
	IIIrd Semester.			
1	Family Dynamics	50	-	50
2	Child Development I	50	-	50
3	Consumer Economics	50	50	100
4	Nutritional Bio-Chemistry	50	50	100
5	Laundry Science & Finishing of Fabrics	50	50	100
6	Applied Life science -I	50	50	100
	Total	300	200	500

S.No.	IVth Semester	Th.	Pr.	Total
1	Introduction to Clothing Construction	50	50	100
2	House Hold Equipments	50	50	75
3	Food Microbiology	50	50	100
4	Applied Life Sciences-II	50	50	100
5	Human Development-III	50	-	50
6	Community Nutrition	50	-	75
	Total	300	200	500
	V Semester			
1	Therapeutic nutrition	50	50	100
2	Human Development- IV	50	-	50
3	Community Development -	50	-	50
4	Family Housing	50	50	100
5	Advanced Clothing Construction	50	50	100
6	Nursery School Education	50	50	100
	Total	300	200	500
	VIth Semester			
1	Textile Designing	50	50	100
2	Interior Decoration & Art Principles	50	50	100
3	Food Preservation & Protection	50	50	100
4	Entrepreneurship & Motivation	50	50	100
5	Extension Training & Management	50	50	100
	Total	250	250	500
	Grand Total	1750	1250	3000

Semester I

PAPER I ENGLISH LANGUAGE & COMMUNICATION SKILLS

M.M. 50

Unit I. Introduction to Communication

- A) What is communication?
- B) The importance of effective communication.
- C) Principles of communication – clarity, completeness, conciseness, consideration, courtesy, correctness.

Unit II. Aids to correct writing

- A) Nouns, Pronouns, Adjectives, Articles, Verbs, Adverbs, Prepositions, Conjunctions, Punctuation, Vocabulary – Synonyms, Antonyms, one word substitution, Idioms & Phrases.

Unit III. Letter writing

- A) layout of letter, types of letter- business letter, application, letters.

Unit IV Report writing

- A) Importance, types of reports, parts of reports, preparing the report.
- B). Essay writing
- C) . Precis writing

Paper II Communication & Instructional Technology

MM .50

Unit I Origin, Meaning, Definition, Functions & Problems of Communication.

Unit II Types of Communication

- a) Intra Personal
- b) Interpersonal
- c) Group
- d) Organisational
- e) Public
- f) Mass

Unit III Communication Receiver Relationship:

- a) Rapport
- b) Empathy
- c) Perception
- d) Persuasion
- e) Credibility
- f) Motivation

Unit IV Different types of audio-visual aids

- a) Their meaning definition & advantage Limitation & use in communication

Practical

M.M. 50

- A) To select, plan, prepare and use different audio-visual aids.

Semester I

PAPER I ENGLISH LANGUAGE & COMMUNICATION SKILLS

M.M. 50

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Paper II Communication & Instructional Technology

MM .50

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Unit IV Different types of audio-visual aids

a) Their meaning definition & advantage Limitation & use in communication

Practical

M.M. 50

A) To select, plan, prepare and use different audio-visual aids.

- B) To develop ability to prepare and present individualized and group instruction.
- C) To familiarize the students with different types of accessories used for preparing communication media.

Paper III Introduction to Human Development

M.M. : 50

Unit I--Human Development –

- A) Definition and importance of Human Development
- B) Human Development and allied fields
- C) Scope of Human Development
- D) Methods of child study

Unit II- Growth and Development

- A) Concept and principles of development
- B) Difference between growth and development
- C) Factors affecting growth and human development.

Unit III- Determinates of Development.

- A) Heredity and Environment
- B) Maturity and Learning

Unit IV-Developmental Stages

- A) Menstrual Cycle and Fertilization
- B) Prenatal development stages and sub stages.
- C) Factors affecting prenatal development

Unit V-Care of the newborn

- A) Reflexes of the newborn and neonatal assessment
- B) IUGR(Intra Uterine Growth Retardation) and Pre mature babies
- C) Immunization of the new born.

(INTERNAL ASSESSMENT)

M.M. 25 Marks)

A) Make a resource file of minimum ten articles from various magazines and news papers on Human Development

B) Write critical evaluation of each article

Paper IV Food Science *Dr. Aneta Singh*

MM.50

Unit I

A) Foods Definition and objectives in the study of foods.

B) Relation to nutrition and function of foods.

Unit II

Basic food groups: Composition and nutritive value. *215-251*

A) Cereals

B) Pulses

C) Vegetables and fruits

D) Milk and milk products.

E) Meat, fish, poultry and eggs.

F) Nuts and oils.

G) Spices and condiments.

H) Sugar and jiggery.

Unit III

Cooking

A) Various methods and principles of cooking various food stuff – (boiling, steaming etc.)

B) Processing of food stuffs before cooking.

C) Effect on nutritive and other values of foods during cooking.

Unit IV

Improving nutritional quality of foods.

A) Germination

B) Fermentation

C) ~~Supplementation~~

D) Substitution

E) Fortification and enrichment

Practical

M.M.50

Basic food preparation.

A) Rice and pulse preparation. *|| Now Pulse Cooking*

B) Vegetable preparation.

C) Suji and wheat flour preparation.

D) Milk preparation

E) Soups

F) Bakery preparation

G) Beverages

- H) Egg, fish and meat preparations
- I) Standardization of weights and measures of various food items.

Paper V Human Physiology

Dr. Nitika Aggarwal

M.M. 50

Unit I

Basic Unit of Human Body-Cell

A) Structure of cell

B) Structure of tissues and types

C) Functions of tissues

Unit II

Elementary anatomy, physiology and functions of-

A) The skeleton system

B) The nervous system – Organs, sensation vision, hearing, sense of touch, smell and taste.

Unit III

Elementary anatomy, physiology and functions of-

A) The circulatory system– human heart and other organs, Composition of blood and function

B) The respiratory system – respiratory organs and their functions.

Unit IV

Elementary anatomy, physiology and functions of-

A) The digestive system – organs of the digestive system and their functions.

B) The excretory system –organs of the excretory system and their functions

Unit V

Elementary anatomy, physiology and functions of-

A) The Endocrine system – The ductless glands and their functions.

B) The Reproductive system – elementary knowledge of male and female reproductive organs, their function.

INTERNAL ASSESSMENT-

M.M. 25 Marks)

- A) Prepare Charts and Poster on Human Physiology
- B) each student should make minimum two Poster or Chart.

PAPER: VI COMPUTER BASICS

M.M.50

Unit I

Introduction to Computers

- A) What is Computer
- B) Characteristics of Computer
- C) Generation of Computers
- D) Classification of Computers
- E) Hardware & Software
- F) Input & output devices
- G) Data Representation & Processing

Unit II

Windows

- A) Features of Windows
- B) Date & Time
- C) Display
- D) Fonts
- E) Mouse
- F) Find

Unit III

MS-WORD

- A) Starting Word
- C) Creating Documents
- D) Parts of Word Window
- E) Formatting Features
- F) Toolbars & their Icons
- G) Tables

Unit IV

MS-Excel

- a) Starting MS-Excel
- b) Toolbars & their icons
- c) Selecting Cells
- d) Entering & Editing text
- e) Entering Numbers
- f) Entering cell contents
- g) Formulas
- h) Creating the charts

Unit V

MS-PowerPoint

- A) Starting PowerPoint
- B) Creating Power Point Presentation
- C) Editing Text on Slide
- D) Formatting Text
- E) Formatting Paragraphs
- F) Checking Text
- G) Using Clip Art Gallery
- H) Develop a Slide Show

Unit VI

Internet

- A) Computer Network (LAN, MAN, WAN)
- B) What is Internet?
- C) Use of Internet
- D) Software & Hardware requirements of Internet
- E) Search Engines & Search of a topic
- F) Advantages & Disadvantages
- G) Creation & use of E-mails

PRACTICAL:

Max. Marks: 50

1. Window XP

- A) Starting & shutting Computer, Moving windows, Display Properties.
- B) Exploring Disk, Files & Folders.
- C) Use of CDs & Pen drives

2. MS-Word

- A) Creating new word document, Open existing document, Save, Print, Page Setup, Close, Exit.
- B) Edit, View, Insert, Format, Tools menus

3. MS- Power Point

- A) Starting presentation , Improving presentation, Create Presentation using Auto Content Wizard & Using power point Templates, Copying Text, Moving Text, Deleting Text, Aligning Text in a Slide,

- B) Changing fonts, Adding Symbols, Using Clip Art Gallery, Animate text and Graphic Object

1. MS Excel

- A) Printing & Saving sheets, Entering & Editing text, Page Setup
- B) Edit, Insert, Format, Tools menus
- 5. Internet
- A) Opening web page
- B) E-mail
- C) Search Engines
- D) Downloading files from Internet