

B.Sc

Home Science

(Clinical Nutrition & Dietetics)

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S.No.	1 st Sem.	Th.	Pr.	Total
1	English language & communication skills	50	-	50
2	Communication and Instructional Technology	50	50	100
3	Introduction to Human Development	50	25	75
4	Food Science	50	50	100
5	Human Physiology	50	25	75
6	Computer Basic	50	50	100
	Environmental Science- Qualifying Paper			
		300	200	500
	IInd Sem.			
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
		300	200	500
	III Sem.			
1	Food Commodities	50	-	50
2	Maternal & Child nutrition	50	-	50

3	Consumer Economics	50	50	100
4	Nutritional Bio-Chemistry	50	50	100
5	Food Product Development & Sensory Analysis	50	50	100
6	Applied Life Sciences I	50	50	100
		300	200	500

S.No.	IV Semester	Th.	Pr.	Total
1	Basic Dietetics	50	50	100
2	Food Behaviour	50	-	50
3	Food Microbiology	50	50	100
4	Applied Life Sciences II	50	50	100
5	Elements of Fashion & Traditional Textiles	50	50	100
6	Community Nutrition	50	-	50
	Total	300	200	500
	V Semester			
1	Food Service Equipment Layout	50	50	100
2	Advanced Dietetics	50	50	100
3	Quantity Food Production & Services	50	100	150
4	Food Toxicology & Food Adulteration	50	-	50

5	Personnel Management	50	-	50
6	Food Material Management & Cost Accountancy	50	-	50
	Total	300	200	500
	VI Semester			
1	Clinical Nutrition	50	-	50
2	Nutritional Assessment	50	50	100
3	Food Preservation and protection	50	50	100
4	Entrepreneurship & Motivation	50	50	100
5	Project cum Internship (Project Report + Viva)	50	100	150
	Total	300	200	500
	Grand Total			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). Precise 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

M.M. 50

Practical

- 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 if minimum ten article from various magazines and news paper on Human Development

B) Write critical evaluation of each article

Paper IV Food Science

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.

- 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.
- 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

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.

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

4. 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