

SRI VENKATESWARA UNIVERSITY
DEPARTMENT OF HOME SCIENCE
CHOICE BASED CREDIT SYSTEM (C.B.C.S) SYLLABUS AND SCHEME OF
EXAMINATION
(WITH EFFECT FROM THE ACADEMIC YEAR 2016 -2017)
B. Sc. HOME SCIENCE

Course :B.Sc

Subject : Home Science

SECOND YEAR										
Semester	Part	Course Code	Title of the Paper	No. of Hours		Credits	IA	ES	Total Marks (100)	
				T	P					
Semester III	Part 1		Language 1	4	0	3	25	75	100	
			Language 2	4	0	3	25	75	100	
	SK/FC		Entrepreneurship	2	0	2	-	50	50	
			Communication and soft skills (CSS)-2	2	0	2	-	50	50	
	Part 2	HSC 301		Family Nutrition	4	-	4	25	75	100
				Family Nutrition Practicals	-	3	2	-	50	50
		HSC 302		Textiles - I	4	-	4	25	75	100
				Textiles – I Practicals	-	3	2	-	50	50
		HSC 303		Housing & Interior Decoration	4	-	4	25	75	100
				Housing & Interior Decoration Practicals	-	3	2	-	50	50
			Total Marks	24	09	28			750	

SECOND YEAR
Semester-III

3-3-107

HSc-301 FAMILY NUTRITION

Theory: 4hrs/week
practicals: 3hrs./week

THEORY

- Unit I : a. Principles of meal planning – balanced diet, dietary guidelines for Indians, food exchange lists.
- b. Nutrition in pregnancy – Physiological changes and complications.
- Unit II : a. Lactation – Physiology of lactation-nutritional needs, feeding the baby.
- b. Nutrition during Infancy – Growth and Development – Requirements – Nutrient needs - Breast feeding, weaning – Introduction to Supplementary foods – Feeding pattern.
- c. Nutrition in preschool age-physiological development and food intake, development of food habits, diet plan.
- Unit III : Nutrition of school children and adolescence – Growth and Nutrient needs and requirements – Food choices – Eating habits, Importance of snacks, traditions foods and regional dietary patterns.
- Unit IV : Adult – Reference man – Reference women – Nutrient needs and Requirements during various physical activity.(Sedentary, Moderate and Heavy work), diet and life style related diseases and their prevention.
- Unit V : Geriatric Nutrition – Factors affecting food intake and nutrient use – Nutrient needs – Nutrition related problems, physiological

changes in elderly, nutritional and health concerns in old age and their management.

PRACTICALS

1. Planning and preparation of a balanced diet for pregnant women.
2. Planning and preparation of a balanced diet for a Nursing Mother.
3. Planning and preparation of a balanced diet for a Pre School Child.
4. Planning and preparation of a balanced diet during Adolescence.
5. Planning and preparation of a balanced diet for adult man and women during different physical activities-sedentary, moderate, heavy worker.
6. Planning and preparation of a balanced diet for elderly.

REFERENCES

1. Srilakahsmi, B., Dietetics, New Age International (P) Ltd., 2000.
2. Swaminadhan, M., 1988, Essentials of Food and Nutrition, Volume I and II, The Bangalore Printing and Publishing Co. Ltd., Bangalore.
3. Guthrie Helen A. and Mary Frances Picciano, 1999, Human Nutrition, WCB Mc. GrawHill, Boston.

**BSc HOME SCIENCE
HSc-301 FAMILY NUTRITION
MODEL QUESTION PAPER**

Time : 3 hrs

Max. Marks :75

Part – A

Answer any five Questions each question carries 5 Marks

(Marks = 5x5 = 25 marks)

1. Why lactating mother needs more nutrients? Discuss?
2. What is balanced diet? Discuss.
3. What are old age problems?
4. What care will you take while planning a diet for a pre-school child?
5. Discuss the importance of breast feeding and suggest your comments.
6. Who is reference man and women? How do you suggest nutrient requirements for human body?
7. A balanced diet during pregnancy helps to produce better baby. Discuss.
8. Write about importance of snacks.

Part – B

Answer any five Questions Each Question carries 10 marks

(Marks = 5x10 = 50 marks)

1. a) Explain the physiological changes of pregnancy and complications?

(Or)

b) Write about Principles of meal planning

2. a) Write about the nutrient requirements during School children.

(Or)

b) Define adolescence and state the Food choices – Eating habits of adolescents.

3. a) Stated the need for inducing weaning food to a infant and give examples for liquid, semi solid and solid weaning foods.

(Or)

b) Write RDA and diet plan for lactating mother (0-6 months).

4. a) Write about RDA and nutrition for sedentary women.

(Or)

b) Write about RDA and nutrition for heavy work man.

5. a) Why calories are not required more in aged people? Prescribe a diet.

(Or)

b) Discuss the nutritional and health concerns in old age and their management.

SECOND YEAR

SEMESTER-III

3-3-112

HSc-302 Textiles - I

Theory: 4hrs/week
practicals: 3hrs./week

THEORY

- Unit-I Introduction to textiles of clothing- importance of study of textiles to the consumer- terminology
Physical- thermal- chemical classification of textile fibers
Natural – manmade, synthetic cellulose- protein synthetic mineral staple and filaments
- Unit-II A detailed study of production, properties, use and care of natural vegetable fibres- cotton, linen and minor cellulose fibres. A detailed study of production, properties , use and care of hair fibers – Natural Protein fibers – wool, silk and other hair fibers.
- Unit-III Production, properties use and care of man made fibres- nylon, polyester and acrylic fibres
- Unit – IV Detailed study of mineral fibres, fibres glass and asbestos, mixtures and blends of natural cellulose fibres, natural protein fibres and man made fibres

Unit – V Yarns- spinning- mechanical- chemical process,
classification of yarns- simple, novelty- texturised yarns

Practicals

1. Sewing machine description use care and simple repairs
2. Sewing kit, sewing equipment, measuring tools, marking tools and tools used during construction
3. Field visit to any tailoring centre
4. Stitching of basic stitches- temporary, permanent and neatening stitches
5. Stitching of neckline finishes

REFERENCES

1. Vastralu- dusthulu- Smt. V. Nurjahan and Smt. R. Santha (Telugu Academy)
2. Sushma Gupta, NeeruGarg, RenuSaini- Text book of clothing, textiles and laundry
3. Mary Mathews- Practical clothing construction part-I &II designing drafting & tailoring
4. Alexander- textile products selection use and care

**BSc HOME SCIENCE
SEMESTER-III
HSc-302 - Textiles - I
Model Question Paper**

Time : 3 hrs

Max. Marks :75

Part - A

Answer any five Questions Each question carries 5 Marks

(Marks = 5x5 = 25 marks)

1. Write about the importance of textiles
2. Write about the properties of cotton
3. Discuss the properties of Protein fibers
4. Name minor cellulose fibers
5. Write about Jute
6. How will you take care of cotton clothes.
7. Types of Cotton
8. Sericulture

Part- B

Answer any five Questions Each Question carries 10 marks

(Marks = 5x10 = 50)

1. a) Describe the manufacture of Nylon fiber and given an account of its properties.
(Or)
b) Write about the manufacturing processes of polyester
2. a) Discuss the physical properties of linen
(Or)
b) Explain about the retting processes of linen.

3. a) Explain in detail about the life cycle of silk-worm.

(Or)

b) Write about the Physical and Chemical Properties of silk.

4. a) Write about any five minor cellulosic fibres.

(Or)

b) Write about any five minor hair fibres.

5. a) Care of Cotton clothes.

(Or)

b) Blends of cellulosic fibres.

**SECOND YEAR
SEMESTER-III**

HSC-303 HOUSING AND INTERIOR DECORATION

3-3-113

Theory: 4hrs/week
practicals: 3hrs./week

THEORY

Unit-I

Housing

- a) Functions of a house
- b) Housing needs in different stages of family life cycle.
- c) Selection of site
- d) Orientation
- e) Factors to be considered while planning different rooms aspect, prospect, privacy, grouping, circulation, sanitation

Unit-II

- a) Practical considerations- plumbing and drainage facilities
- b) Planning for efficient work centers and storage areas in the kitchen, bathroom, laundry and other areas of house

Unit-III

- a) Kitchen plans, work triangle, store area in kitchen (differentiate L, U, Broken L, U, Single walled, peninsular shaped kitchen)
- b) House plans for different groups
 - a. High income
 - b. Middle income
 - c. Low income
- C) Advantages of owning and renting a house

Unit-IV Interior Design- Meaning and importance of interior design

- a) Principles of Art- Harmony, Balance, Rhythm, Emphasis and Proportion
- b) Importance of colour
- c) Flower arrangement- traditional, modern, Japanese- Jkbona- Miniature and Deminiature

Unit-V

- A) Design
 - a) Elements and application
 - b) Types of design
- B) Accessories- Types and functions, Lighting and furniture in the home

Practicals

1. House plan- symbols, site plan, floor plan, elevation landscape
2. Different levels of house plan- low income house plan, middle income house plan, high income house plan.
3. Kitchen plans- L shape, U shape, broken, L, U Shape, peninsular, one walled
4. Interior Design- A) Elements of Design, B) Types of Design- Natural, Decorative conventional, Geometric abstract drawing/ painting/ clipping using magazines.
5. Application of principles of art in different rooms- a) Harmony b) Balance c) Rhythm, d) Emphasis and e) Proportion, Drawing/ painting/ clipping from magazine.
6. Colour- value chart, prang colour chart, six standard colours, application of colourharmones in different rooms of the house.
7. Different types of flowers arrangement
8. Market study on building material- floor finishes- wall finishes- ceiling finishes

REFERENCES :

Title: Housing and Interior Decoration

- Home furnishing by Rett
- Home management by Gross and Crandle
- Textbook of homescience- PremlataMultick
- Household equipment- selection and management- Wilson

**BSc Home Science
Semester-III
HSc-303 – Housing and Interior Decoration
Model Question Paper**

Time : 3 hrs

Max. Marks :75

Part – A

Answer any five Questions Each question carries 5 Marks

(Marks = 5x5 = 25 marks)

1. Selection of Site
2. What are the advantages and disadvantages of own house
3. Write the types and functions of accessories
4. Define Harmony. Explain about various methods to obtain harmony.
5. Function of house.
6. Illustrate various styles of flower arrangement
7. Write about housing needs in different stages of family life cycle.
8. How do you plan a house for middle income family? Explain about influencing factors.

Part – B

Answer any five Questions Each Question carries 10 marks

(Marks = 5x10 = 50 marks)

1. a) Explain about 'U' Shape kitchen plan with the important of 'Work triangle'
(Or)
b) Explain about circulation and aspect in house plan.
2. a) Importance of Harmony and Balance application of art in House
(Or)
b) Write about Rhythm and proportion in Living room
3. a) Define design and illustrate any two types of design
(Or)
b) Explain about Decorative design in home.

4. a) Write about Lighting in the house

(Or)

b) Importance of sanitation in house

5. a) Explain about related colour harmonies

(Or)

b) Discuss about Practical considerations for plumbing and drainage facilities in a house.