FACULTY OF SCIENCE

SYLLABI

FOR

B.Sc. HOME SCIENCE -COMPOSITE

2ND & 3RD YEAR

EXAMINATIONS, 2012

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<table>
<thead>
<tr>
<th>Code</th>
<th>Paper/Subject</th>
<th>Credit Hours</th>
<th>Marks</th>
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<tr>
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<td>Courses</td>
<td>T  P Total Th. Int. Total Pr. Int. Total Total</td>
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<td>1.</td>
<td>Applied Life Sciences</td>
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<td>A.) Botany</td>
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<td>B.) Zoology</td>
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<td>Applied Physical Sciences</td>
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<td>A.) Chemistry</td>
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<td>**3.</td>
<td>Environmental Education</td>
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<td>Family Dynamics</td>
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<td>Applied Nutrition</td>
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<td>6.</td>
<td>Textiles Science</td>
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<td>Foundation of Art &amp; Design</td>
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<td>8.</td>
<td>Life Span Development</td>
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<td>Physical Education, Music &amp; Dance</td>
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<td><strong>TOTAL</strong></td>
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**Qualifying Paper**
B.Sc.(Home Science) Part-II

APPLIED LIFE SCIENCES
PAPER-A :BOTANY (THEORY)

Paper time: 3 Hrs.
Teaching Period: 2 Hrs/week

Max Marks: 50
Exam Theory: 45
Internal Assesment: 05

Objectives:
- To introduce basic concepts of gardening
- To impart knowledge of propagation of plants by seeds and by other vegetative methods.
- To impart knowledge about plants which are of economic importance.
- To impart knowledge about growing vegetables, fruits & flowers.

Unit-I

- Types of soil and soil operations- Tillage, Drainage, Hoeing, Mulching and Irrigation
- Elementary knowledge about Mushroom cultivation

Unit-II

- Principle and planning of kitchen garden.
- Principle and planning in laying out of a garden.
- Cultivation and Care of Lawns & Hedges.

Unit-III

- Seed Propagation.
- Vegetative propagation by artificial methods like: cutting, layering, grafting & budding.
- Elementary Knowledge about plant tissue culture.
- Elementary knowledge about cultivation, maintenance and care of Bonsai.

Unit-IV

- NAME DISTRIBUTION, PART USED & USES OF THE FOLLOWING:
  i. Fibres: Cotton, Jute & Flax.
  ii. Beverages: Tea, Coffee & Cocoa
iii. Oils: Coconut, Mustard, ground Nut, Castor Oil & linseed.

iv. Medicinal Plants: Holy basil, Mint, Ashwagandha, Amaltas, Aloe Vera & Amla


vi. Condiments and Spices: Clove, Cinnamon, Cumin Cardamom, Coriander, Fennel, Pepper & Turmeric.

APPLIED LIFE SCIENCES
PAPER-A BOTANY (PRACTICAL)

Paper Time- 3 Hrs.
Teaching Period: 4 Hrs/week

Max. Marks: 50
Exam Theory: 45
Internal Assessment: 05

1. Preparation of temporary slides of Rhoeo and Onion peel to study the cell structure, stomata and chloroplast.

2. Study of Garden implements (Garden Tools & accessories.)

3. To prepare a pot for sowing seeds and study different methods of seed sowing.
3.2. To prepare a seed bed for raising seedlings.
3.3. To prepare a bed of potato sowing and cultivation
3.4. To prepare a bed for cultivation vegetables like onion, cauliflowers, Brinjal & tomato.
3.5. To prepare a pot of repotting for chrysanthemum.

4.1. Propagation of roses by cutting and budding.
4.2. Propagation by whip & tongue grafting.
4.3. Propagation by wedge grafting.
4.4. Propagation of crotons & coleus by cutting.


6. Economy Botany: Identify sketch & write short notes on the following:
6.4. Medicinal Plants: Tulsi, Mint, Amla, Ashwagandha, Aloe Vera & Amaltas.
6.5. Condiments & Spices: Clove, Cardamom, Cinnamon, Cumin, Coriander, Fennel, Pepper & Turmeric.

- Herbarium: Collection of 25 specimens of ornamental plants.
- Visit to herbal parks and forests to study flora in natural habitat, if possible.

INSTRUCTIONS TO THE EXAMINER:

1. Total nine questions to be set. At least two from each unit.
2. Out of which five questions to be attempted.
3. One compulsory question can be set covering the whole syllabus. Which can be fill in the blanks/Multiple choice/objective type/one word answers etc.

- Herbarium: Collection of 25 specimens of ornamental plants.
- Visit to Herbal parks and forests to study flora in natural habitat, if possible.

Recommended Readings:

1. B. Chaudhary: Vegetables(National Book of India, New Delhi, 1979)
2. Breikell C. 1993, Step by Step Gardening Technique (Royal Horticultural Society’s Encyclopaedia of Practical Gardening)
5. Gopalaswamianger K.S 1991 Complete Gardening in India (Messers Nagraj and Co. Madras)
11. Sham Singh: Fruit Cultivation in India.
B.Sc. Home Science Part-II

APPLIED LIFE SCIENCES

(b) ZOOLOGY

THEORY

Time: 2 hours Teaching per week
Max. Marks: 50

Exam: 3 Hours
Paper: 45

Int. Assessment: 05

Objectives: To provide knowledge regarding the application of Zoology in day to day life.

UNIT-I

1. An elementary study of the following animals as indicated:
   • Malaria parasite: Detail life history and mode of transmission
   • *Entamoeba histolytica, Trypanosoma gambiense*: Habit distribution, disease produced and mode of transmission.

2. External feature life history and economic importance of the following
   • *Taenia solium, Ascaris lumbricoides,*

3. External feature life history and economic importance of Earthworm

   Unit-II

4. Pest
   - Life history and economic importance of insect pest: Rice weevil sytophillus, Rizopertha, Gram dhora, and Tribolium.
   - Control of insect pest: Cockroach, Termite.
   - Control of non-insect pest: Rat.

5. Economic important insect
   • Habit habitat and life history only: Honey bee, Silk moth
   • Habit habitat and life history only: Mosquito (Culex & Anopheles).

6. Economic Zoology: Elementary knowledge of the following
• Apiculture,
• Sericulture,
• Vermiculture

Unit-III

7. Human Genetics:

• Structure and Function of DNA & RNA
• Structure of human Chromosomes their variation.
• Genetic basis of blood groups( ABO)
• Autosomal and sex chromosomal abnormalities.
• Elementary knowledge of Genetic basis of common hereditary diseases such as Haemophilia, Colorblindness, Mongolism, Diabetes, Thalassemia.
• Genetic counseling.

8. An elementary knowledge of Gene, Genome and Genomic.
9. An elementary knowledge of Genetic engineering & Transgenic product (Bt-Products, Golden Rice, Flavr-Savor Tomato).
10. An elementary Knowledge of Polymerase Chain Reaction(PCR)

Unit-IV

11. An elementary knowledge of Biotechnology.
12. An elementary knowledge of Stem cell research.
13. An elementary knowledge of AIDS and its control.
15. An elementary Knowledge of Swine Flu.

APPLIED LIFE SCIENCES

(b) ZOOLOGY: PRACTICAL

Time : 2 hour teaching per week Max. Marks : 50

Exam: 3 Hours Paper:45

Int. Assessment: 05

1. Phylum based identification and Economic importance of Invertebrates and Vertebrates present in the laboratory.
2. Identification of slides and specimens: Malaria parasite( Plasmodium), Fasciola hepatica( life stages also), Ascaris, Taenia solium, . Available insect pest and their life stages.
3. Preparation of temporary mounts of mouth parts of cockroach
4. Visit to Poultry farm.
5. Blood grouping( ABO)
6. Demonstration of Extraction of DNA and staining it with Ethidium Bromide.
7. Demonstration of Polymerase Chain Reaction (PCR)
10. Project report on field visit to renowned laboratory/ poultry

Books Recommended

16. Naidu, P.M.N.: Poultry keeping in India (1976), ICAR

INSTRUCTIONS FOR EXAMINER

1. Total nine questions to be set (at least two from each unit) which also include
2. One compulsory question containing 9 short questions of 1 marks each, covering the whole syllabus.
3. All the questions carry 9 marks each.

INSTRUCTIONS FOR STUDENTS

1. Five questions to be attempted.
2. At least one from each unit need to be attempted.
3. One question (containing 9 Short answer questions) is compulsory as mentioned in the question paper.
B.Sc. Home Science Part-II

APPLIED PHYSICAL SCIENCES

PAPER – A: CHEMISTRY (THEORY)

Teaching Period: 2 hrs/week      M. Marks: 50
Exam Time: 3 hrs.       Paper:       45
Int. Ass.:   05

Unit – I

Essentials of Chemistry

• Symbols, formulae, valency and variable valency, elementary idea of empirical formulate
  and molecular formulae (no numerical) definition of atomic weight and molecular weight.
• Chemical equation and reaction: Parts, types, essential of chemical equation, balancing of
  equation by hit and trial method and their removal, exothermic and endothermic, catalytic
  and reversible reactions.
• Chemical Bonding: Definition of chemical bond, cause of chemical combination, types of
  chemical bonds-ionic bond, covalent bond, co-ordinate bond (def & simple examples
  based on electron dot picture) examples include H2, C12, HCl, O2, NH3 H2O, CH4,
  C2H2 MgF2, CaO, NH4+, H3O+.

Unit – II

• Elementary idea about normality, formality, morality, strength of solution, mole fraction
  and ppm.
• Elementary idea about pH of water, hard water (causes and types) heavy water with its
  uses.

Unit – III

• Properties and uses of CH 4, C2H2.
• Alcohols – Properties and uses of ethyl alcohol, idea about methylated spirit.
• Properties and uses of Acetic acid.

Unit – IV

• Cosmetics: - Brief study and elementary idea about ingredients- cold cream, vanishing
  cream, lipstick, mascara, depilatories and dentifrices. Use of fluoride toothpaste and
  chemistry of cold cream.
• Chemistry in medicine- Anti pyritics, Sulpha drugs and anti malarial drugs.
• Polymers – Definitions and classification.
• Polymers in textiles: Chemistry of synthetic fibers- Nylon, Polyester and Acrylic fibers.
• Fertilizers: - Nitrogen, Potassium and Sulphur.
• Elementary idea about paints, varnishes, lacquers, enamels, emulsion paints, pigments valve concentration, failure of paint film.

INSTRUCTION TO EXAMINERS

• Total nine questions to be set out of which five to be attempted (two questions from each unit)

• One compulsory question covering the whole syllabus may be set in the form of objective / fill in the blanks/ short notes etc.

• Each question carries 9 marks.

• Internal choice can also be given.

APPLIED PHYSICAL SCIENCES

PAPER – A: APPLIED CHEMISRTY (PRACTICAL)

Teaching Period: 2 hrs/week  M. Marks: 50
Exam Time: 3 hrs.  Paper: 45
Int. Ass.: 05

1. Preparation of vanishing cream and cold cream.
2. Preparation of washing powder and liquid soap.
3. Preparation of antiseptic ointment (Sulphur, General and Boric)
4. Elemental detection of organic compound- nitrogen, halogen and Sulphur.
5. Determination of melting point and boiling point of organic compounds.
6. Analysis of amide group, amine group and carbohydrate group in given organic compound.
7. To determine the normality and strength of given alkali solution.
10. Visit to industrial unit if permissible

**Suggested books:**

- Applied chemistry for Home Science and Allied science by Thanhamm Jacob
- NCERT books of + 1 and + 2.
- Engineering books by Jain and Jain.
APPLIED PHYSICAL SCIENCES

PAPER-B: PHYSICS (THEORY)

Teaching Time : 2 hours/ week
Exam Time : 3 hours

Total marks : 50
Paper (Theory) : 45
Internal Assessment : 5

CONTENTS

Unit-I

Mechanics:

- Intermolecular forces, Types of intermolecular forces – Force of Adhesion & Force of Cohesion, Molecular range, Sphere of Influence, Surface film, Surface tension, molecular theory of surface tension, detergents and surface tensions, common illustrations/applications of surface tension.
- Definition of Capillary and Capillarity, practical applications of Capillarity in everyday life.

Unit-II

Sound:

- Define – Periodic motion, Oscillatory motion, Vibration, Oscillation, Time period, Frequency, Amplitude, Wave motion and Wave length.
- Brief idea about transverse and longitudinal wave motion, difference between the two, $\nu$-n relation (simple numericals with direct substitution).
- Simple idea about superposition of waves, superposition principle and stationary waves, laws of vibrating strings, free, forced & resonant vibrations.
- Short notes on Human voice organ, sound insulation, hearing aids, acoustics of buildings.

Unit-III

Atomic Physics

- Photoelectric effect, Experimental study of photo electric effect, Effect of intensity, potential and frequency on photo electric current, laws of photoelectric emission, photo electric cell and some of its applications.
- Introduction to LASER & MASER and some of their applications.
Unit-IV

Nuclear Physics

- Atomic Nucleus – Nuclear size, Nuclear density and Nuclear charge, Isotopes, Isobars and Isotones, Nuclear force and some features of Nuclear force, Elementary idea about radioactivity – Natural & Artificial, Radioisotopes and their uses in medicine, industry, agriculture and dating.

- Nuclear fission and fusion, uncontrolled and controlled chain reactions, nuclear reactor – principle, construction & working, some uses/applications of Nuclear Reactor, Radiation hazards and safety measures.

Instructions to Examiner

- Total nine questions to be set, out of which five to be attempted (Two questions from each unit).

- One compulsory question covering the whole syllabus may be set in the form of objective type/fill in the blanks/short notes etc.

- Each question carries 9 marks.

- Internal choice can also be given.
B.Sc. Home Science Part-II

APPLIED PHYSICAL SCIENCES

PAPER-B: PHYSICS (PRACTICALS)

<table>
<thead>
<tr>
<th>Teaching Time</th>
<th>2 hours/week</th>
<th>Total marks</th>
<th>50</th>
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<tbody>
<tr>
<td>Exam Time</td>
<td>3 hours</td>
<td>Paper (Practical)</td>
<td>45</td>
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<td>Internal Assessment</td>
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1) Measurement of diameter of a small spherical body using Vernier Callipers.
2) Measurement of area, volume and total surface area of rectangular body using Veiner Callipers.
3) Measurement of diameter of a Pen/ Pencil using a screw gauge.
4) Measurement of temperature in °C of a liquid at room temperature and high temperature and to convert to temperature in °F.
5) Measurement of temperature of human body in °C and °F.
6) To verify first law of transverse vibrations in a string using sonometer.
7) To verify second law of transverse vibrations in a string using sonometer.
8) To find velocity of sound at 0°C using first resonance position and by applying end correction.
9) To find velocity of sound at 0°C using two resonance positions.
10) To find resistance and power of a glowing bulb and to calculate energy consumed by it in given hours.
11) To verify Ohm’s law.
Books Recommended

1) A very M., Household Physics.
2) Duggal & Wadhawan, Principles of Physics (XI, XII).
3) Gomber & Gogia, Pradeeps Fundamental Physics (XI, XII).
4) Gupta S.K., Modern’s ABC of Physics (XI, XII).
5) Khanna & Bedi, Textbooks of Sound.
6) Lal S., Fundamental Physics (XI, XII).
7) Mohindroo K.K., Basic Concepts of Physics.
9) Gupta S.C., New Fundamental Practical Physics.
10) Gupta S.K., ABC of Practical Physics (XI, XII).
ENVIRONMENT EDUCATION
(25 Hrs. course)

1. **Environment Concept**:
   Introduction, concept of biosphere – lithosphere, hydrosphere, atmosphere; Natural resources – their need and types; Principles and scope of Ecology; concepts of ecosystem, population, community, biotic interactions, biomes, ecological succession.

2. **Atmosphere**:
   Parts of atmosphere, components of air; pollution, pollutants, their sources, permissible limits, risks and possible control measures.

3. **Hydrosphere**:
   Types of aquatic systems; Major sources (including ground water) and uses of water, problems of the hydrosphere, fresh water shortage; pollution and pollutants of water, permissible limits, risks and possible control measures.

4. **Lithosphere**:
   Earth crust, soil – a life support system, its texture, types, components, pollution and pollutants, reasons of soil erosion and possible control measures.

5. **Forests**:
   Concept of forests and plantations, types of vegetation and forests, factors governing vegetation, role of trees and forests in environment, various forestry programmes of the Govt. of India, Urban Forests, Chipko Andolan.

6. **Conservation of Environment**:
   The concepts of conservation and sustainable development, why to conserve, aims and objectives of conservation, policies of conservation; conservation of life support systems – soil, water, air, wildlife, forests.

7. **Management of Solid Waste**:
   Merits and demerits of different ways of solid waste management – open dumping, landfill, incineration, resource reduction, recycling and reuse, vermicomposting and vermiculture, organic farming.

8. **Indoor Environment**:
   Pollutants and contaminants of the in-house environment; problems of the environment linked to urban and rural lifestyles; possible adulterants of the food; uses and harms of plastics and polythene; hazardous chemicals, solvents and cosmetics.

9. **Global Environmental Issues**:
   Global concern, creation of UNEP; Conventions on climate change, Convention on biodiversity; Stratospheric ozone depletion, dangers associated and possible solutions.
10. **Indian Laws on Environment:**
Indian laws pertaining to Environmental protection: Environment (Protection) Act, 1986;
General information about laws relating to control of air, water and noise pollution. What to
do to seek redressal.

11. **Biodiversity:**
What is biodiversity, levels and types of biodiversity, importance of biodiversity, causes of
its loss, how to check its loss; Hotspot zones of the world and India, Biodiversity Act, 2002.

12. **Noise and Microbial Pollution:**
Pollution due to noise and microbes and their effects.

13. **Human Population and Environment:**
Population growth and family welfare programme, Human Health. HIV AIDS. Human
Rights.

14. **Social Issues:**
Environmental Ethics: Issues and possible solutions, problems related to lifestyle,
sustainable development; Consumerisms and waste generation.

15. **Local Environmental Issues:**
Environmental problems in rural and urban areas. Problem of Congress Grass & other
weeds, problems arising from the use of pesticides and weedicides, smoking etc.

**Practicals:**
Depending on the available facility in the college, a visit to vermicomposting units or any
other such non-polluting eco-friendly site or planting/caring of vegetation/trees could be
taken.

**Note:** Above 15 topics to be covered in 25 hour lectures in total, with 2 lectures in
each topics from 2 to 11 and one each for the topics 1 and 12 to 15.

- **Examination Pattern:**
  Fifty multiple choice questions (with one correct and three incorrect alternatives
  and no marks deduction for wrong answer or un-attempted question)

- All questions compulsory i.e. no choice.

- Qualifying marks 33 per cent i.e. 17 marks out of 50.

- Total marks : 50.

- Duration of Examination : 60 minutes.

- Spread of questions : Minimum of 2 questions from each of the topics 1 and 12
to 15. Minimum of 4 questions from topics 2 to 11.
B.Sc. Home Science Part-II

FAMILY DYNAMICS

Credit hours: 2

Paper: 45
Internal Assessment: 05
Total: 50

Instructions for Paper Setters:

1. Each theory paper will be of three hours duration.
2. Questions paper will have four sections.
3. A total of Nine questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory questions.

Objectives:

- To introduce students to family structure and socialization of the child.
- To orient the students with the changing trends in family and marriage.
- To acquaint the students with issues related to family and parenting.

Unit I

1. Family as a social institution: It’s changing structure.
2. Family structure and socialization.

Unit II


Unit III

5. Family trends: Single parent family, Childless family, Dual earner family, Live in relationships, Joint and Nuclear family.
6. Parenting responsibilities- Physical, social, emotional, financial and legal responsibilities.

Unit IV

7. Parents’ contribution in fostering developmental needs of children such as learning, social, emotional and cognitive development.
8. Family well- being.
REFERENCES:


Note:-
1. Each theory paper will be of three hours duration.
2. Question paper will have four section/ units. Paper setter will set a total of nine
questions comprising of two questions from each section and one compulsory
question of short answer type covering the whole syllabus.
3. Student will attempt one question from each unit and the compulsory
question. (Total of five question)
4. All questions may carry equal marks, unless specified.

Objectives
This course will enable the student to-

1. Estimate energy expenditure and energy requirements.
2. Know food sources of various nutrients
3. Plan and prepare recipes rich in various nutrients.

SYLLABUS

Unit- I

1. Concept and definition of terms Nutrition, Malnutrition and Health.
   Brief History of Nutritional Science, Scope of Nutrition

2. Minimal Nutritional Requirement and RDA Formulation of RDA and Dietary

3. Body Composition and changes through the life cycle.

Unit-II

4. Energy in Human Nutrition Energy Balance, Assessment of Energy Requirement,
   Deficiency and Excess.

5. Proteins - Assessment of Protein quality (BV, PER, NPU) Digestion and Absorption,
factors affecting protein bio- availability including antinutritional factors,
Requirement, Deficiency.
6. Lipids- Digestion and absorption, Intestinal resynthesis of triglycerides Types of fatty acids, role and nutritional significance.

**Unit- III**

7. Carbohydrates – Digestion and Absorption, Blood glucose and effect of different carbohydrates on blood glucose, Glycemic Index.

8. Dietary Fibre – Classification, composition, properties and nutritional significance.


**Unit – IV**

10. Vitamins – Physiological role, bio availability and requirement, sources, deficiency and excess (Fat Soluble and Water Soluble).

11. Water – Functions, requirements.

12. Methods of processing for the enhancement of nutritional quality of diets by:

   Supplementation.

   Germination

   Fermentation

   Fortification

   Eurichment

13. Food Adulteration: Definition and types of adulterants used in different foods.
B.Sc. Home Science Part-II

APPLIED NUTRITION (PRACTICAL)

Maximum Marks: 50
Paper marks: 45
Int. Assessment: 05
Teaching Pds: 2/week

Objectives

This course will enable the student to-

1. Estimate energy expenditure and energy requirements.
2. Know food sources of various nutrients
3. Plan and prepare recipes rich in various nutrients.


2: Demonstration of BMR apparatus.

3: Categorization of foods as rich, moderate and poor sources of energy and nutrients.


Reference:
- WHO Technical Reports Series for different Nutrients.
B.Sc. Home Science Part-II

TEXTILE SCIENCE (THEORY)

3 Hrs/Wk                      M.Marks:  75
Int. Ass:    10
Paper:       65

Instructions for the paper setter:

1. Each theory paper will be of three hours duration.
2. Questions paper will have four sections.
3. A total of Nine questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

Objectives:
To impart knowledge of –
1. Fibers and their properties.
2. Yarn and its properties.
3. Fabric construction
4. Textile finishes.

UNIT-1

1. a) Classification of Textile fibers
2. Types of Polymers.
   Molecular arrangements and orientation of polymers
   Essentials of fibers forming polymers
   Physical and chemical properties of fiber in general.
3. Textile Fibers- Manufacturing and properties
   Natural- Cotton, Linen, Silk and Wool.
   Manmade- Rayon, Acetate, Polyester, Nylon, Acrylic, Elastomeric fibers, lycra , tincel.

UNIT-II

4. Yarn construction
   a. Mechanical spinning
   b. Chemical spinning-dry, wet ,melt, bicomponent,biconstituent ,emulsion and solution
   c. Classification of yarn, their properties and uses
      1) simple, 2) novelty 3) bulk and textured yarn
UNIT-III

5. Fabric finishes
   Bleaching, scouring, singeing, tentering, mercerizing, calendaring, napping, flocking, acid and basic finishes.

6. Special finishes
   Antistatic, bacteriostatic, moth proofing, shrinkage control, flame retardant, water repellent and water proofing, soil and stain resistance , wash & wear and permanent press.

UNIT-IV

5. Principles and methods of laundering.

References:

1. Introductory Textile Science, M L Joseph
2. Textile fabrics and their selection, Isabel B Wingate and June F Mohler
3. Textiles by Hollen Saddler- Macmillian publishing company , New York
4. Understanding Textiles by P S Tortora-Prentice Hall Inc., New Jersey
5. Fiber to fabric by Corbman.
B.Sc. Home Science Part-II

TEXTILE SCIENCE (PRACTICAL)

2 Hrs/Wk. M.Marks: 50
Int.Ass: 05
Paper: 45

Instructions for paper setters:-

1. Each practical paper will be of 3 hours duration.
2. The question paper should cover the entire syllabus.
3. The file work and the Sessional work will be of 05 marks each (10 marks)

Objectives:

To impart knowledge about the
1. different methods of identification.
2. methods of stain removal & laundering.

Content:

1. Fiber identification- Physical, microscopic, burning and chemical test.
2. Yarn identification and yarn count
3. Fabric identification- (i) Thread count (ii) Weave
4. Stain removal
5. Market survey to see the availability of different yarns and fabrics of different weaves.

References:

1. Fiber to fabric by Corbman.
B.Sc. Home Science Part-II

Foundation of Art and Design

Theory

Teaching Period- 2 hrs/week       Marks-50  
Paper-45  
Internal assessment-05

Objectives:
To enable students -
• To gain better understanding of the application of art principles in interiors.
• To understand the elements of art and design as applied to daily life.
• To gather information regarding building construction technologies and materials used for interiors.

Instructions to the Examiner

Question paper will have four sections. Examiner will set a total of nine questions comprising two questions from each section, and one compulsory question of short answer type covering the whole syllabus. Students will attempt one question from each section and the compulsory question. All questions may carry equal marks, unless specified

Section-A

Unit-I Introduction to foundation of art.

a) Elements of design- line, size, form, structure, space, pattern, shape.

b) Principles of design- Balance, rhythm, harmony, proportion, emphasis, opposition

c) Design- Definition of design, arrangement

d) Composition – Definition and Importance.

e) Aesthetic- Its importance in relation to interiors.

Section-B

Unit-II Study of colours

a) Colour, types of colours, properties of colours, colour schemes

b) Impact of colours in interiors and human beings.

c) Psychological impact of various colours in interiors.

Section-C

Unit-III Application of design.

a) Floor decoration

b) Flower arrangement

c) Accessories.
Section-D

Unit-IV Principles of house planning

a) Site selection, general considerations, orientation of the house.
b) General principles in planning-aspect, prospect, grouping, roominess, flexibility, lighting, ventilation and sanitation.

Foundation of Art and Design
Practical

Teaching Period- 3 hrs/week                  Marks-75
Paper-65                                    Internal assessment-10

Instructions to Examiner:
- The practical will be of 10 marks and each practical paper will be of three hours duration.
- Examiner should set 2 questions one from section A and B, second from section C and D.
- All questions carry equal marks.

SECTION- A
1 Preparation of chart showing elements of design

2 Principles of composition- elements and principles
   (a) Introduction to various elements of composition, line, direction, shapes, form, color, value, tones and textures.
   (b) Principles of composition- repetition, unity, harmony, contrast, balance, rhythm, emphasis, dominance, scale, proportion.
   (c) Importance of murals, paintings, and wall hangings in interiors. Simple exercise in making of murals, paintings and wall hangings.

SECTION- B
Practice in composition with reference to above
   a) Simple composition based on principles of composition using geometrical, abstract or realistic shapes.
   b) Preparation of compositions based on principles of design.
   c) Colors- terminology- hue, tints and shades, value, intensity, chroma
      - Theories of color
      - Color schemes
      - Color wheel showing primary, secondary, intermediate, tertiary and quaternary colors.
SECTION -C

Preparation of color charts
- Color harmony, color contrast in relation to interior planning.
- Psychological aspects of color, warm, cool, other color scheme
  - Advancing, receding, neutral- their applications in interiors
  - Moods of colors, types, hues, tints, tones, value, shades, intensity.
  - Colors and light.
- Colors, pattern and texture- their relationships with interiors
  - Exercises and compositional qualities related with colors.
- Pattern, tones and textures
  - Shapes and patterns derived from natural forms
  - Patterns and textures in relation of colors
  - Types of textures and their psychological impact
  - Preparation of chart showing different textures
  - Preparation of tonal value scale chart

SECTION D

Forms:
1. Study of form; functional, non-functional
2. Influence of function on form.
3. Importance of three dimensional designs.

References:

5. A brief history of Indian Painting- Dr. L.C. Sharma, Publishing House Meerut.
B.Sc. Home Science Part-II

**LIFE SPAN DEVELOPMENT THEORY**

Credit Hours: 3  
Paper: 65  
Internal Assessment: 10  
Total: 75

**Instructions for Paper Setters:**
1. Each theory paper will be of **three hours** duration.
2. Questions paper will have **four** sections.
3. A total of **Nine** questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry **equal marks** unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

**Objectives:**
- To develop awareness of important aspects of development during the life span.
- To understand the issues faced and adjustments required at each stage of developments.
- To understand the influence and interaction of sociocultural and environmental factors across life span.

**Content:**

**Unit I**
1. Infancy (0-2years):
   - Physical development- patterns of growth
   - Motor development- Reflexes, motor skills
   - Cognitive development- Sensory motor stage of Piaget
   - Language development- Pre speech forms of communication.

**Unit II**
2. Early Childhood (2-6yrs):
   - Physical growth and motor development- Patterns of growth, motor skills
   - Cognitive development- Pre-operational stage of Piaget
   - Language development- Pattern of language development
   - Emotional development- Common emotional patterns.
   - Social development-Play and its importance
Unit III
3. Middle childhood (6-11yrs):
   • Cognitive development- Concrete operational stage of Piaget
   • Social development-Influence of schools, social groupings.

Unit IV
4. Adolescence (12-19yrs):
   • Physical development-Puberty
   • Social development- Peer relations, Sexual behaviour
   • Cognitive development- Formal operational stage of Piaget.
   • Emotional and behavioral problems among adolescents (Depression, Loneliness, Delinquency, Drug Addiction, Eating Disorders).

References:
B.Sc. Home Science Part-II

LIFE SPAN DEVELOPMENT

PRACTICAL

Credit Hours: 2

Paper: 45

Internal Assessment: 05

Total: 50

Instructions for Paper Setter:

1. Each practical paper will be of 3 hours duration.
2. The question paper should cover the entire syllabus.
3. The file work and viva voice will be of 5 marks each (Total = 10 marks)

Content:

I. Conduct a survey on a topic related to family relationship of an individual till adolescence.

II. Carry out an extension activity related to social welfare with any one of the following groups: preschoolers, elementary school children, adolescents, parents, teachers and elderly.

III. Administer and Interpret the following psychological tests:

   (a) Any group test of intelligence

   (b) Any performance test of Intelligence

   (c) Family Environment Scale.

IV. Prepare a notice board display on various issues related to young and middle adulthood e.g. significance of period, changes in family, preparation for retirement, menopause, health issues, physical and cognitive changes.

V. Prepare a project report related to late adulthood and old age emphasizing on changes in old age, attitude towards the aged and factors contributing to effective coping with old age.

References:

3 hrs./week Marks- 50

Chapter – 1

Athletics: - What is difference between athletic and athletic,. Brief knowledge of the track and field events.
Middle Distance Running: 800 mtr and 1500 mtr race 
   a.) Technique for start, finishing and running in race.
   b.) Fouls at start, finishing and running in race

Chapter- 2

Jumps, Long Jump or High Jumps
   a.) Dimension of the long jump or high jump pit
   b.) Technique
   c.) Foul of jumps

Chapter – 3

Anyone playing for the following games;
   a.) Volley ball
   b.) Badminton
   c.) Kho- Kho
   d.) Lawn Tennis

Chapter- 4

Yoga- Any three assans from the following:-
   a.) Dhanurasan
   b.) Chakrasan
   c.) Mayur asan
   d.) Sarvang asan
   e.) Bhujang asan
   f.) Tad asan

REFERENCES:-
1. Textbook of Physical Education and sports by Vishwas Publishers
2. Rule book of Athletics by Amateur Athletics Federation of India
3. Rule book of Badminton by Amateur Athletics Federation of India
4. Rule book of Volley by Amateur Athletics Federation of India
5. Rule book of Lawn Tennis by Amateur Athletics Federation of India
7. Yoga and assans by Swami Ramdev
1. TEEN TAL

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2. Chautal

tatkar in single & dugun layakari’s

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3. 2 Gatnikas in Teental

4. Practical demonstration of 10 Asamyukta hasta and 10 samyukta hasta

Music (Vocal)

B.Sc Home Science part – II (Practical)

Marks 50

1. One Vilambit and three fast khayals with alap and tans of the following ragas: Bhimpalasi, Bhairav, Bihag.

2. Sargam geet in Raag Bhimpalasi

3. The following talas with ekgun & dugan with bols on hands : kaharwa, roopak, tilwara

4. Five alankars are to sing in bilawal and bhairav thhat.
# B.Sc.(Home Science) Composite 3\textsuperscript{rd} year

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B.Sc. III Year (Composite)
CONSUMER BEHAVIOUR AND ECONOMICS

Theory

Total Marks  75
Paper:  65
Internal Assessment: 10

Teaching Period: 3hrs/week

Instructions for Paper Setter:
1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of Nine questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

OBJECTIVES:
1. To orient the students to the role, rights and responsibilities of consumer.
2. To understand the market, types of business, and marketing strategies influencing the consumer behavior.
3. To make students aware of the different consumer aids available in the market and the problems faced by consumer while purchasing a product.
4. To orient the students to the significance of consumer protection legislations and procedure for Redressal.

CONTENTS

UNIT-I
2. Consumer market and marketing strategies (Advertising, Packaging and Labeling, Grading).

UNIT-II
1. Meaning of consumer education, Sound buying practices- Planning purchases- what, where, how and when to make purchases.
2. Product safety aids (Agmark, FPO Certification, ISI Mark, Hallmark, ECO Mark, Wool Mark, Sanforisation and Mercerization).

UNIT-III

UNIT-IV
2. Consumer Redressal complaints by the consumer, where and how to file complaint and procedure for filing an appeal.

Recommended Readings-

DIET THERAPY (THEORY)

Teaching periods: 3hrs/week

Instructions for Paper Setter:
1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of Nine questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

OBJECTIVES:

This course should enable the students to –

1. Know the principles of diet therapy.
2. Understand the modifications of normal diet for therapeutic purposes.
3. Understand the role of the dietician.

UNIT I

1. Team approach to health care:
Role of doctor, dietitians and paramedical staff with regards to assessment of patients needs.

2. Energy modifications and nutritional care for weight management:
   - Overweight and obesity: Etiological factors, prevention and treatment, low energy diets and behavioral modification.
   - Underweight: Etiology and assessment, high-energy diets and weight gain.
UNIT II

3. **Etiological factors, symptoms and management of:** Upper GI tract diseases – Gastric and duodenal ulcers, flatulence, hyperacidity and reflux.

4. **Etiology, symptoms and management of:** Intestinal diseases – steatorrhoea, diverticular disease, ulcerative colitis, irritable bowel syndrome, hemorrhoids.

UNIT III

5. **Etiology, symptoms and management of:** Liver diseases – Infective hepatitis, Cirrhosis

6. **Etiology, symptoms and management of:** Diabetes mellitus – Classification and types. Glycemic index, glucose tolerance test.

UNIT IV

7. **Etiology, symptoms and management of:** Cardiovascular diseases – Atherosclerosis, Hypertension and coronary heart disease.

8. **Etiology, symptoms and management of:** Glomerulonephritis

REFERENCES:

DIET THERAPY (PRACTICAL)

Total Marks: 50
Paper: 45
Internal assessment: 5

Teaching periods: 2hrs/week

Instructions to the paper setter:

1. Practical exam paper should be of three hours duration.
2. The paper should be balanced covering entire syllabus.

OBJECTIVES:

To enable students to apply the principles of planning therapeutic diets for various disease conditions.

I. Planning and calculation of nutritive content and preparation of diets for the following conditions:
   1. Overweight and Obesity
   2. Ulcers
   3. Liver Diseases: Infective Hepatitis
   4. Diabetes Mellitus- type II
   5. Hypertension and Atherosclerosis
   6. Glomerulonephritis

II. Visit to a Dietetics Department in a local hospital for observing team approach to nutritional care of patients.

REFERENCES:


B.Sc. III Year (Composite)  
APPAREL CONSTRUCTION (Theory)  

Objectives:

To impart knowledge about-

- Various terms related to Pattern Making & Apparel construction.
- Pattern development.
- Fitting problems.

Instructions for the paper setters:

1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of nine questions comprising of two questions from each unit and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

UNIT-I

1. Terminology used in Pattern making: Pattern drafting, template, working pattern, production pattern, design specification sheet, pattern chart, cost-sheet, dart, dart legs, dart intake, trueing and blending, plumb line, vertical lines, horizontal lines, perpendicular lines, symmetric and asymmetric lines, style number, pattern size. Pivotal point & style reading

2. Pattern making tools.

UNIT-II

3. Terminology of sleeves, collars, skirts & trousers.

UNIT-III

4. Fitting- principles of good fit, various fitting problems and its remedies.
5 Handling special fabrics.

UNIT-IV

6. Methods of Pattern Development

• Drafting

• Flat Pattern Method, Slash and Spread, Pivot Method

Basics of Commercial paper pattern

• Pattern Envelope

• Pattern Marking

• Pattern Layout

References:


- Allyne B. Flat Pattern Design. McGraw Hill Pub, USA


B.Sc. III Year (Composite)

APPAREL CONSTRUCTION (Practical)

Objectives:

To learn- Drafting of different basic block
- Dart manipulation.
- Construction techniques of various garments

Instructions for paper setters:-

1. Each practical paper will be of 3 hours duration.
2. The file work and the sessional work will be of 05 marks each (10 marks).

CONTENT

1. Drafting of adult’s bodice block and sleeve block.
2. Dart manipulation- single dart, princess line and yokes.
3. Drafting of basic adult’s skirt block
4. Drafting and construction of
   • Petticoat
   • Blouse
   • Nighty with yoke
   • Kameez –Salwar/ Churidaar

References:


- Allyne B. Flat Pattern Design. McGraw Hill Pub, USA


B.Sc. III Year (Composite)

FURNITURE, FURNISHINGS AND FITTINGS

THEORY

Teaching Period: 3 hrs/week

Total Marks: 75
Paper: 65
Int.Ass: 10

Objectives:-

• Gain knowledge of furniture, furnishings, accessories and fittings.
• Develop skills in selection of furnishing fabrics, furniture etc.
• Understand various types of window and doors treatments and lighting fixtures.

Instructions to the examiner:-

• Each theory paper will be of three hours duration.
• Questions paper will have four sections.
• A total of nine questions comprising of two questions from each section and one compulsory question of short answer type covering the whole syllabus will be set.
• All questions may carry equal marks unless specified.
• Students will be expected to attempt one question from each section and the compulsory question.

Section A

Unit: - I

• General Principles for furniture selection: cost, construction, durability, care of the furniture etc.
• Furniture design based on anthropometric dimensions
• Styles of furniture – traditional, contemporary and modern.
• Upholstered furniture materials, techniques and designs.

Unit:-II

• Cane furniture
• Glass furniture
• Plastic furniture and PVC furniture
• Wrought iron furniture
• Wooden furniture
Section B

Unit: - III

Furnishings

- Introduction to furnishings
- Upholstery, draping of curtain fabrics
- Floor coverings – tiles, stone, carpets and rugs, laminated, hard wood, engineering wood.
- Walls and windows treatments
- Ceiling treatments

Section C

Unit: - IV

Fittings

- Door and window fittings
- Sanitary fittings
- Light fixtures

Section D

Unit: - V

Estimating and Budgeting

- Need for an estimate
- Types of estimate and Budgeting (preliminary, detailed, item rate)
- Specification
- Tenders

References

- Linley David; Classical Furniture; Pavillion Books Limited, London
- Iron Furniture; Book Wise.
- Germer Jerry; Creating Beautiful Bathrooms. RA Creative House Owner
- Deshpande; R.S. Modern Ideal Homes, Poona. United Book Corporation. 1960
- Seetharaman; Premavathy and Pannu, Praveen. Interior Design and Decoration.
B.Sc. III Year (Composite)

FURNITURE, FURNISHINGS AND FITTINGS

PRACTICAL [PAPER – I]

Teaching Period: 2hrs/week                                                                 Total Marks: 50
                                                                 Paper: 45
                                                                 Int. Ass.: 05

Instruction to the paper setter:

1. Each practical paper will be of three hours duration.

2. The file work and sessional work will be of five marks each. (10 marks)

Practical

1. Preparation of a portfolio comprising of different furniture and furnishing material.
2. Free hand sketching of furniture items like chair, tables, beds etc.
3. Kinds of window for treatment in furnishing and interiors
4. Styles in different curtains and drapery effects. (collection of samples from the market)
5. Pelmets, cornices swags, fastoones, Venetian blinds, bamboo rid roller shades.
6. Survey of lighting fixtures – for kitchens, toilets, pantry, corridor, verandah, lobbies, entrance room, bedrooms, garden lights, and porch lights
7. Flower arrangement.
8. Budgeting and costing of furnishing material – numerical sums

References

- Linley David; Classical Furniture; Pavillion Books Limited, London
- Iron Furniture; Book Wise.
- Germer Jerry; Creating Beautiful Bathrooms. RA Creative House Owner
- Deshpande; R.S. Modern Ideal Homes, Poona. United Book Corporation. 1960
- Seetharaman; Premavathy and Pannu, Praveen. Interior Design and Decoration.
B. Sc. III year (Composite)

COMMUNITY AND GENDER DEVELOPMENT

THEORY

Total Marks: 75
Paper: 65
Int. Asst. 10

Teaching periods: 3hrs/week

Instructions for Paper Setter:

1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of Nine questions comprising of two questions from each Section and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each Section and the compulsory question.

OBJECTIVES-

1. To aware the students of the structure and functions of community development.
2. To understand the existing support structures for development efforts.
3. To understand the role of women as partner in development.
4. To get sensitized to gender disparities/imbalances related to developmental issues.
5. To be aware of the legislations, policies and programes oriented towards the amelioration and empowerment of women.

CONTENT

UNIT-I

1. Definition and origin of community development.
2. Principles and philosophy of community development.
3. Basic features and objectives.
4. Structure and functions of community development.

UNIT-II

1. Panchayati Raj and democratic decentralization.
2. Evolution and function of Panchayati Raj.
   National level voluntary agencies- an introduction.

UNIT-III

2. Status of women- meaning, domestic status, demographic status, educational status, occupational status, political participation and health status.
3. Violence against women- dowry, divorce, female foeticide and infanticide, domestic violence, sexual harassment at work place and exploitation.

UNIT-IV

1. Gender and development.
2. Women empowerment: case study of SEWA (Self Employed Women’s Association)
3. Policies and programs for women development.

References

7. Mandate of Ministry of Women and Child Development, Govt. of India: www.wcd.nic.in
THEORETICAL PERSPECTIVES ON HUMAN DEVELOPMENT

Total Marks: 75
Paper: 65
Internal Assessment: 10

Teaching Period: 3hrs/week

Instructions for Paper Setter:

1. Each theory paper will be of **three hours** duration.
2. Question paper will have **four** sections.
3. A total of **Nine** questions comprising of two questions from each unit and one compulsory question of short answer type covering the whole syllabus will be set.
4. All questions may carry **equal marks** unless specified.
5. Students will be expected to attempt one question from each unit and the compulsory question.

Objectives:

- To familiarize students with different theories of human development
- To develop an understanding about the processes of human development and behavior.
- To develop and insight into application of various theories.

Unit – I

1. Introduction
   - Significance of theories in understanding human development.

Unit – II

2. Piaget’s cognitive theory
   - Description of stages of cognitive development

Unit – III

3. Freud’s Psychoanalytic theory
   - Description of psychosexual stages of development
4. Erickson’s theory of Psycho-social development
   • Description of stages of Psycho-social development

Unit – IV

5. Kohlberg’s theory of moral development
   • Description of stages


References:


THEORETICAL PERSPECTIVES ON HUMAN DEVELOPMENT

**Practical**

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Teaching Period: 02hrs/week

Instructions to the paper setter:

1. Practical exam paper should be of three hours duration.
2. The paper should be balanced covering entire syllabus.

**Practical:**

1. Conduct activities related to testing Piagetian concepts for infancy, childhood and adolescence.
2. Power point presentations related to: review, compilation and presentations of research on personality development.
3. Observe and write a report about:
   • Psychosocial development of 2-5 years old.
   • Emotional Development of 5-11 years old.

Reference:

B.Sc. III Year (Composite)

NUTRITIONAL BIOCHEMISTRY (THEORY)

Total Marks : 50
Paper : 45
Internal Assessment : 5

Teaching periods : 2 hrs/ week

Instructions for Paper Setter:

1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of Nine questions comprising of two questions from each Section and one compulsory question of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each Section and the compulsory question.

Focus
The Course lays the foundation for understanding the functioning of metabolic processes at cellular level, and the role of various nutrients in these processes.

UNIT – I

1. Carbohydrates – Definition, classification, structure and properties of
   - Monosaccharides – glucose, fructose, galactose
   - Disaccharides – maltose, lactose, sucrose
   - Polysaccharides – starch, glycogen

2. Proteins – Definition, classification, structure and properties of amino acids and proteins
   - Essential & non-essential amino acids
   - Hydrolytic breakdown of proteins

3. Lipids – Definition, classification, types and properties of
   - Fatty acids, Fats – composition, Acid Value, Iodine value and saponification value
UNIT – II
Intermediary metabolism – General consideration:

4. Carbohydrates – Glycolysis, gluconeogenesis, TCA cycle, blood sugar regulation

5. Proteins – General reactions of amino acid metabolism, urea cycle, biological value of proteins


7. Introduction to genetic control of metabolism – Nucleic acids, replication, transcription, genetic code, translation – elementary aspects

UNIT – III


UNIT – IV

10. Minerals – Macrominerals and microminerals – elementary aspects

11. Hormones – Biological role of – Pituitary, adrenal cortex and medulla, thyroid, parathyroid, pancreas

References
B.Sc. III Year (Composite)
NUTRITIONAL BIOCHEMISTRY (PRACTICAL)

Total Marks: 50
Paper: 45
Internal Assessment: 5

Teaching periods: 2 hrs/week

Instructions to the paper setter:

1. Practical exam paper should be of three hours duration.
2. The paper should be balanced covering entire syllabus.

1. Qualitative analysis of monosaccharides, disaccharides and polysaccharides
2. Quantitative estimation of glucose
3. Saponification, acid value and rancidity value of fat
4. Qualitative test of amino acids and proteins
5. To test the reaction of proteins, fats and carbohydrates in milk, egg and wheat flour
6. Qualitative test of normal and abnormal constituents of urine

References
- West ES, Todd WR, Mason HS and Van Bruggen JT (1990): Text book of biochemistry
B.Sc. III Year (Composite)
(Common to all Six streams)
Personal Empowerment and Entrepreneurship Management

Theory

Total Marks :  75
Paper:       65
Internal Assessment:  10

Teaching Periods – 3 hrs/ week

Instructions for Paper Setter:

1. Each theory paper will be of three hours duration.
2. Question paper will have four sections.
3. A total of Nine questions comprising of two questions from each Section and one compulsory questions of short answer type covering the whole syllabus will be set.
4. All questions may carry equal marks unless specified.
5. Students will be expected to attempt one question from each Section and the compulsory question.

OBJECTIVES:

1. To orient the students to the concept, need and process of entrepreneurship.
2. To understand the market, types of business, the parameters for selecting and running an enterprise successfully.
3. To make students aware of the different opportunities for employment and business in Human Development and Family Relations.
4. To orient the students to the significance of programme design with focus on planning, implementation and evaluation.

CONTENTS

Section-A

PERSONAL EMPOWERMENT

a) The challenge – understanding and managing oneself.

b) Factors affecting Personality Development, Peer Pressure – Issues and management

c) Conflicts and stresses – Simple coping strategies

Section-B

PERSONAL GROWTH AND PERSONALITY DEVELOPMENT

a) Women and Development, Women’s organization and collective strength.

b) Capacity building for women – Education, Decision making abilities and opportunities, awareness and information on legal and political issues.
c) Gender Issues: Inequities and discriminations, biases and stereotypes: myths and facts, Aids – Awareness and Education.

Section-C

ENTREPRENEURSHIP MANAGEMENT

a) Entrepreneurship: Concept and Theories, Need and Importance of entrepreneurship development in India.

b) Entrepreneurial Traits and Types.

c) Women Entrepreneur: Characteristics, Role, Demand and Challenges.

Section–D

ENTERPRISE PLANNING AND EXECUTION


b) Four P’s of marketing, A brief introduction to Quality control and Quality assurance.

c) Feed back, monitoring and evaluation, SWOT analysis.

RECOMMENDED READINGS


11. The CII Entrepreneur’s Hand Book.


PERSONAL EMPOWERMENT AND ENTREPRENEURSHIP MANAGEMENT

Practical

<table>
<thead>
<tr>
<th>Total Marks:</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper :</td>
<td>45</td>
</tr>
<tr>
<td>Internal Assessment:</td>
<td>05</td>
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</tbody>
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Teaching Period – 3 hrs/ week

Instructions for Paper Setter:

4. Each practical paper will be of 3 hours duration.
5. The question paper should cover the entire syllabus.
6. The file work and viva voice will be of 5 marks each (Total = 10 marks)

Objectives:

1. To develop human competencies for Entrepreneurship.
2. To develop skills in Program management.
3. To analyze the issue and problems of a specific community for need assessment.
4. To develop skills in the use of participatory approaches in program planning and evaluation.

Contents

1. Case study and analysis of one women headed micro enterprise/ small scale enterprise.
3. Portfolio on legislation, governing small scale enterprise, NGO.
4. Steps to organize and manage any one of the following:
   A. Open Nursery school/Day care center for the children. (B.Sc. Child Development)
   B. Window and interior store display. (B.Sc. Apparel and Textiles)
   C. Catering management (B.Sc. Hospitality)
   D. Interior design (B.Sc. Interior Design).
   E. Establishing Cafeteria/ Diet clinic (B.Sc. Dietetics)

Note--- B.Sc. (Composite) students can opt for any one of the above.

5. Planning, Organization, implementation and evaluation of a need base extension program for the selected community in relation to anyone.
   - Literacy
   - Income Generation
   - Social Evils.
   - Health
   - Maternal and Child care

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