FACULTY OF SCIENCE

SYLLABI

FOR

B.Sc. HOME SCIENCE- INTERIOR DESIGN MANAGEMENT

2\textsuperscript{ND} & 3\textsuperscript{RD} YEAR

EXAMINATIONS, 2012

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## B.Sc. Home Science – 2nd Year – Interior Design Management

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<th>Credit Hours</th>
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<td>B.) Zoology</td>
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**Qualifying Paper**
B.Sc. Home Science Part-II  
APPLIED LIFE SCIENCES (THEORY)  
PAPER-A :BOTANY

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 (PRACTICAL)
PAPER-A : BOTANY

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 forest 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 questions 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. Gopalaaswamianger 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

PAPER- 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, Trypansoma 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

PAPER-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 includes
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 : CHEMISTRY (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.
Modern approach to Chemistry Volume – 2.
B.Sc. Home Science Part-II

APPLIED PHYSICAL SCIENCES

PAPER-B: PHYSICS (THEORY)

Teaching Time : 2 hours/ week  Total marks : 50
Exam Time : 3 hours  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, υ-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 radio activity – 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.

APPLIED PHYSICAL SCIENCES

PAPER-B: PHYSICS (PRACTICALS)

Teaching Time :  2 hours/ week  
Exam Time :  3 hours  
Total marks :  50  
Paper (Practical) :  45  
Internal Assessment :  5

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).

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**:

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

INTERIOR AND RESIDENTIAL SPACE DESIGN

THEORY (Paper – IV)

Time : 3 hrs/week        MM : 80
Paper: 70
Int. Ass. - 10

OBJECTIVES

1. Gain knowledge of principles of planning of various types or residential spaces.
2. Gain understanding of present housing scenario and financial institutions.
3. Developing skills in drawing house plans

Instruction to examiner

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

Content

Unit-I Introduction to Interior Designing
Factors influencing interior design

Unit-II Structure system with relation to
• Interior space
• Renovation
• Improvement with special reference to circulation

Unit-III Family’s Housing Needs
• Protective, economic, affectional, social standard of living housing goals, style, function, occupation.

Unit-IV Factors influencing selection and purchase of site for house building.
• Legal aspects, location, physical features, soil conditions, cost, services.
Unit-V  
House Planning

- Reading house plans
- Grouping of rooms, orientation, circulation, flexibility, privacy, spaciousness, services, aesthetics, economy light and ventilation.
- Planning different rooms: Living room, dining room, bedrooms, kitchen, store room, toilet, passage, staircase.
- Landscape planning – principles and application.

Unit-VI  
Financial Considerations

- Availability of funds for housing
- Housing Development Finance Corporation
- Cooperative Housing Society
- Life Insurance Corporation
- Cooperative Banks
- Loan from Provident Fund
- Finance Corporation of India
- Disability of owning versus renting

Unit – VII  
State and Central Housing Scheme

- Housing problems, causes and remedial measures.
B.Sc. Home Science Part-II

INTERIOR AND RESIDENTIAL SPACE DESIGN

PRACTICAL

Time: 2 hrs/week

M.M. – 50
Paper – 45
Int. Ass. - 05

Unit – I

Drawing House plans with standard specifications

Unit- II

Furniture layout of various rooms, lining, dinning, drawing and bedroom design presentation with furniture layout section, drawing and bedroom design presentation with furniture layout sectional elevation, views.

Unit- III

1. Design of a kitchen; prepare a plan elevation in pencil and rendering above plans and elevations in colour.

2. Storage and cupboard design.

Unit - IV

1. Crafts out of fiber, fabric, coir, bamboo, clay, metal etc.

2. Creating an object out of waste.
B.Sc. Home Science Part-II

HISTORY OF ART
THEORY

Time: 2 hrs/week

M.Marks: 65
Paper: 55
Int. Ass.: 05

Instructions to the Examiners:

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

This course aims at creating appreciation among the students about history and development of art and its impact on interior design.

Section – A

Unit-I: Brief introduction to the ideals of Indian Art- A General Survey.

Section-B

Unit- II: History of paintings (in brief) of different schools, from renaissance onwards in India and abroad (Italy, France and England) with emphasis of Indian Art from and handicrafts.

Section – C

Unit- III: Traditional Indian Folk and tribal arts and handicrafts, knowledge of various styles prevalent in different states

Section – D


2. Traditional designs and motifs used on surface and objects including pottery stone, metal ware., wood crafts etc.
Note:

1. During teaching –learning process, students may be shown various types of design and motifs.

2. Students should be taken to museums, art galleries, emporia, handicrafts centers to create awareness regarding art.

3. The students should also be taken to fields to show the manufacturing process of various items of art and handicrafts.

4. The students are required to prepare reports based on above visits.
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.

1. Elements of design- line, size, form, structure, space, pattern, shape.
2. Principles of design- Balance, rhythm, harmony, proportion, emphasis, opposition
3. Design- Definition of design, arrangement, composition in term of composition and aesthetic appeal.
4. Composition – Definition and Importance.
5. Aesthetic- Its importance in relation to interiors.

Section-B

Unit-II Study of colours

5. Colour, types of colours, properties of colours, colour schemes
7. Psychological impact of various colours in interiors.

Section-C

Unit-III Application of design.
• Floor decoration
• Flower arrangement
• Accessories.

Section-D

Unit-IV Principles of house planning

1) Site selection, general considerations, orientation of the house.
2) General principles in planning-aspect, prospect, grouping, roominess, flexibility, lighting, ventilation and sanitation.
B.Sc. Home Science Part-II
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
- Simple composition based on principles of composition using geometrical, abstract or realistic shapes.
- Preparation of compositions based on principles of design.
- 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
  1. Advancing, receding, neutral- their applications in interiors
  2. Moods of colors, types, hues, tints, tones, value, shades, intensity.
  3. Colors and light.
- Colors, pattern and texture- their relationships with interiors
  1. Exercises and compositional qualities related with colors.
- Pattern, tones and textures
  1. Shapes and patterns derived from natural forms
  2. Patterns and textures in relation of colors
  3. Types of textures and their psychological impact
4. Preparation of chart showing different textures
5. Preparation of tonal value scale chart

SECTION-D

Forms:
6. Study of form; functional, non-functional
7. Influence of function on form.
8. 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

GRAPHIC PRESENTATIONS

TIME: 4 hrs/week

M.M. – 100
Paper- 90
Int. Ass.-10

PRACTICAL

Instruction to Examiners

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

Objective:

This subject is aimed at developing skills in drafting and rendering which will be utilized for interpreting / reading drawings pertaining to interior design.

Unit- I

Knowledge of instruments, papers, use of graphics in interior design presentation.
Skills in free hand presentation; pencil, crayon, inkpen, brush, sketch pen, cut paper marker, mediums (20 Sheets)

Unit – II Free hand line on paper
a) Horizontal and vertical lines
b) Free hand circles, curves, parallel curves etc.
c) Free hand single stroke lettering in pencil.
d) Free hand single stroke lettering in pen and brush (Knowledge of various radiographic points)
e) Sketching of various geometrical shapes simple objects of interiors – furniture and accessories
f) Free hand symbolic presentation of human figures, trees, vehicles etc. (Three Sheets)

Unit- III Skills in scaled drawing (pen, pencil)

Unit- IV Knowledge of use of engineering scales- metric, foot and inches;

1. Reduction and enlargement.
2. Physical measurement – exercises of different interior objects.
3. Simple drafting of measured objects.
5. Exercises on three dimensional (solid) geometry showing simple plan and elevation.
6. Simple exercises on solid geometry showing section by horizontal and vertical plain.

EXERCISE 1.

- Measured lettering (ratio between height and width of letters – Roman lettering, Gothic and Italics, presentation techniques and standards adopted – pen, pencil & brush.
- Techniques in skilled drafting and perspective.
- Knowledge of standardize drawings, importance, various architectural symbols and usage in drawings.

EXERCISE 2.

- Terminology of perspective drafting and drawing, viz planes, vanishing, points, cone of vision, one point & two point.
- Simple exercises on one point & two point perspective of three dimensional geometrical shapes.

EXERCISE 3.

- Sciography – in plan, elevation and sciography use in orthographic projections of cubes and spheres.

EXERCISE 4.

- Drafting of simple furniture objects with projections, showing isometric view, front elevation side, plan etc.
B.Sc. Home Science Part-II

BUILDING MATERIAL AND CONSTRUCTION TECHNIQUES

THEORY

Time: 3 hrs/week                     M.Marks: 80
                                      Paper: 70
                                      Int. Ass. 10

Instruction to the Examiners:

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:

1. An in interior designer is supposed to make use of various types of materials for conceptualizing, designing and executions of interior design projects.

Section – A

Unit – I

a.) **Foundation:**
   1. Introduction, types of foundation.

b.) **Floor**
   1. Decorative Tiles: Various types, their properties and use in interior design.
   2. Cement and Concrete: Properties of normal setting cement used in interior plastering, ingredients of concrete, properties, various finishes.

Section – B

Unit – II Materials and Applications

1. **Wood and wood products:** Types of wood, seasoning, availability, cost, laminates, termite treatment materials, defects, indetification of timber.

2. **Metals:** Steel used for furniture making, reinforcement, sizes of M.S. pipes and its availability, steel pipes, various sizes, methods of use, Aluminum used in interior doors and windows(sizes & methods of using),properties and usage of brass and copper in interiors.

3. **Water Proofing Materials:** Types, availability and other applications.

4. Use of Plastic and PVC in interior and construction technology.
Section – C

Unit- III

1. Glass properties, sizes, prices and availability of sheet plates, waxed, terminated colored, insulting, heat resistance and glass blocks.
2. Painting, polishing, varnishes, paints, polishes, distempers and varnishes on interior walls, furniture-applications, uses of plastic in building.

Section – D

Unit-IV: Safety materials and fire resistant materials: needs, types & uses.

Note:-

1. Students are required to visit organizations/establishment dealing with manufacture and sale of building materials.
2. Students are required to collect samples of various types of materials and department should establish a museum of materials which can be as live demonstration of building materials while teaching this course.

BUILDING MATERIALS AND CONSTRUCTION TECHNIQUES
PRACTICAL

Time: 2 hrs/week M. Marks- 50

Instructions to Examiner

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:

1. An in interior designer is supposed to make use of various types of materials for conceptualizing, designing and executions of interior design projects.
2. Question Paper will have four sections. Examiner will set a total of minimum questions comprising two questions from each unit and one compulsory question of short answer type covering the whole syllabus. Students will attempt form each unit and the compulsory question. All questions may carry equal marks, unless specified.

Unit – I Foundation – Introduction, Types of Foundation
Types of foundation: - Brick foundation plan. Section CC foundation plan, Section, stepped foundation – plan and section
Unit - II Opening:
   a) Articles, Lintels; types and terms
      Types of arches and lintels, simple, glazed Panelled, Fly-poof, Hush door
      glazed and paneled
   b) Types of doors and terms
   c) Window, Bay window, window, ventilators, grill design.

Unit – III Floors

   a.) RCC Floors, brick stone, terrazzo, wood, PVC floor finishes- plan and section
       patterns of floor tiles.
   b.) False Ceiling: Purpose, types material Fixing of wooden ceiling used POP
       Ceiling, Luxlon ceiling- plan and section

Unit – IV Water Proofing: Application, water proofing products available in the market
   and their uses.
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
B.Sc. Home Science Part-II

DANCE (PRACTICAL)

KATHAK

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 & dugun with bols on hands : kaharwa, roopak, tilwara

4. Five alankars are to sing in bilawal and bhairav thhat.

*****
# B.Sc.- (Home Science) - 3rd Year Interior Design Management

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<th>Code</th>
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B.Sc. Home Science Part-III

FURNITURE, FURNISHINGS AND FITTINGS

THEORY [PAPER – I]

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

- Germer, J. Creating Beautiful Bathrooms. RA Creative House Owner.
TEACHING PERIOD: 2hrs/week

Instructions 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

- Germer, J, Creating Beautiful Bathrooms. RA Creative House Owner.
- Seetharaman, Premavathy and Pannu, Praveen. Interior Design and Decoration.
OBJECTIVES

• To develop understanding of designing offices, restaurant, retail and other hospitality projects.
• The aim of this subject is to develop skills in the students for display of various objects, products in retail, exhibitions, museums, commercial and industrial establishment.
• Develop understanding about design of retail outlets and spaces, standard aspects of architecture and interior design, elements of ergonomics, promotion, and graphic design.
• To ensure that the retail design is effective, the designer must be acquainted with fundamentals on optimal utilization of space, marketing and psychology of the buyers.
• A building (or part of a building) or any place used as a place where meals or sandwiches are prepared and/or served to its clientele.
• Creating a workable business environment requires effective planning and precise implementation. Attention to detail can mean the difference between an effective working environment and a problematic one.

Instructions to the examiner-

• Each theory paper will be of one and a half hours duration.
• Questions paper will have two sections.
• **Section A** carries five marks which is compulsory, consisting of objective type questions covering the whole syllabus.
• **Section B** carries twenty marks and a total of four questions.
• Students will be expected to attempt two questions from section B carrying ten marks each.

I] **INTRODUCTION TO OFFICE**
Types of offices:
• Open offices style
• Closed offices
• Formal office
• Informal office environment.

II] **INTRODUCTION TO RESTAURANTS**
Types of restaurants:
• Fine dine
• Fast food
• Thematic
• Cafes
• Specialty restaurant
• Inns and Taverns
III] INTRODUCTION TO RETAIL

Type of retail markets:

- Departmental store
- Hyper market
- Convenience store
- Boutique
- Factory outlet
- Brand store
- Visual Merchandise

References

- Joseph, W. The Aesthetics of Merchandise Presentation
- Hudson, J. 1000 New Designs and Where to Find Them
- Otto, R. and Hudson. J; Retail Design
- Tony, M. Visual Merchandising: Windows and In-Store Displays for Retail
- Francic, D.K. Interior Design: Illustrated
- Jane, W. Space Within
- Christopher, A. A Pattern Language
- Folio. Selection of Interior Designer’s Portfolios. Kamlesh Shah Publisher and Distributors.
- Duffy, F. The New Office. Conran Octopus. Mandarin Offset LTD

DESIGN AND DISPLAY SYSTEM

PRACTICAL [PAPER -II]

Teaching Periods - 4hrs/week

Total Marks: 100

Paper: 90

Internal Assessment: 10

Instructions to the examiner-

1. Each practical paper will be of six hours duration.
2. Students are required to attempt two questions out of three.
3. Questions would be relating to design problems from retail store, restaurant and office. Students would be designing within the given area, dimensions and outer periphery on the paper. Students have to draw furniture layout (plan), one elevation, flooring, ceiling details and 3D view of any area of the interiors. 100 words write up for explaining the concept chosen for design.
4. All questions may carry equal marks.

Unit-I: Suggested Office Design Project

- Project introduction (maximum area 5000sq ft)
- Client profile/ company profile
• Case studies
• Library studies
• Design layout with working drawings (furniture layout, reflective ceiling plan, flooring plans, wall treatment and furniture details)
• Materials board

Unit-II: Suggested Restaurant Design Project
• Project introduction (maximum area 7000sq ft)
• Client profile/ company profile
• Case studies
• Library studies
• Design layout with working drawings (furniture layout, reflective ceiling plan, flooring plans, wall treatment and furniture details)

Unit-III: Suggested Retail Design Project
• Project introduction (maximum area 3000sq ft)
• Client profile/ company profile
• Case studies
• Library studies
• Area given with restriction of retail store of Chandigarh and byelaws
• Design layout with working drawings

Unit-IV:
Visit to various sites
• Offices
• Restaurants
• Retail outlets
• Market survey for furniture and other interiors related material.

References
• Joseph, W. The Asthetics of Merchandise Presentation
• Hudson, J. 1000 New Designs and Where to Find Them
• Otto, R. and Hudson. J; Retail Design
• Tony, M. Visual Merchandising: Windows and In-Store Displays for Retail
• Edgar, A. F.(2003) 1001 Ideas to Create Retail Excitement, Revised Edition
• Francic, D.K. Interior Design: Illustrated
• Taschen Series; New York Interiors : Alpine Interiors: Tuscany Interiors: Indian Interiors
• Jane, W. Space Within
• Christopher, A. A Pattern Language
• Folio. Selection of Interior Designer’s Portfolios. Kamlesh Shah Publisher and Distributors.
• Duffy, F. The New Office. Conran Octopus. Mandarin Offset LTD
OBJECTIVES

To help students to understand-

1. Landscape Design is the design of outdoor and public spaces to achieve environmental, socio-behavioral, and/or aesthetic outcomes.
2. The scope of the Landscape Design includes: urban design; site planning; town or urban planning; environmental restoration; parks and recreation planning; visual resource management; green infrastructure planning and provision; and private estate and residence landscape master planning and design; all at varying scales of design, planning and management.

Instructions to the examiner-

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 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.

UNIT-I: History of Landscape

- Origin of landscape: from necessity to beautification
- Famous gardens: Mughal gardens Chashme Shahi garden: Lal bagh gardens: Lloyds botanical garden:
- International gardens:

UNIT-II: Design methodology for landscape design

- Principles of landscape design
- Elements of design
- Site analysis
- Site assessment

UNIT-III: Process of landscape design

- Defining use area
- Exterior and Interior space understanding
SECTION–C

Unit-IV: Material to be used for landscape
- Site inventory, formulas
- Natural and manmade materials
- Selection of plants and species

SECTION–D

Unit- V: Types of landscapes and lighting techniques
- Ornamental garden
  (Place of use, area demarcation, choice of materials)
- Kitchen garden
  (Area allocation, choice of plants and vegetations)
- Public garden
  (Circulation pattern, sitting arrangement, focal point)
- Recreational garden
  (Planning and designing)
- Street way and round about
  (Beautification and utilization)

References
- Rudy, J. F. and Joy P. F. Landscapes and gardens for historic buildings
- Derek, F. Ideas and Inspiration for Your Garden
- Tony, B. Plan Graphics for the Landscape Designer (2nd Edition)
- David, S. Landscape Construction
- Simonds. Landscape Architecture
LANDSCAPING DESIGN
Practical [PAPER – III]

Teaching Periods: 2 hrs/ week
Total Marks: 50
Paper: 45
Int. Assess: 05

Instructions to the examiner-

1. Each practical paper will be of three hours duration.
2. A total of three questions comprising of two design problems with relevant theory to explain the design solutions.
3. All questions may carry equal marks unless specified.

I. Study and analysis of city gardens.

- Case studies
- Visit to different gardens and other landscape areas
- Visit to nursery
- Preparing reports of various visits

II. Suggested: Design Project 1 of Residential Landscape. (Maximum area 5000 square feet inclusive of 30% built up area)

- Client Profile
- Requirements (garage, sit out etc.)
- Concept
- Submission Sheets Design work/ Sheets/ 3D views
- Layout
- Specification Sheet (flower, plants, tree)
- Materials to be used. (Pavers, tiles etc.)
- Details of gazebo, furniture, waterfall etc.

III. Suggested: Design Project 2 of Commercial Landscape. (Maximum area 10,000 square feet)

- Client Profile
- Requirements (garage, sit out etc.)
- Concept
- Submission Sheets Design work/ Sheets/ 3D views
- Layout
- Specification Sheet (flower, plants, tree)
- Materials to be used. (Pavers, tiles etc.)
- Details of gazebo, furniture, waterfall etc.
References

- Rudy, J. F. and Joy P. F. Landscapes and gardens for historic buildings
- Derek, F. Ideas and Inspiration for Your Garden
- Tony, B. Plan Graphics for the Landscape Designer (2nd Edition)
- David, S. Landscape Construction
- Simonds. Landscape Architecture
B.Sc. Home Science Part-III

INTERIOR SERVICES & WORK PLACE ENVIRONMENT

THEORY [PAPER- IV]

Teaching Periods: - 3hrs/week  Total Marks: 75
Theory Paper: 65
Int. Assessment: 10

OBJECTIVES:-

• To familiarize the students with the effects of work place environment on health and efficiency.
• Planning and Strategies to improve the work environment workers' safety and health these include physical, social, psychological, and environmental conditions and factors.
• Work environment includes lighting, temperature, and noise factors, as well as the whole range of ergonomic influences.

Instructions to the examiner-

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 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.

SECTION–A

Unit I: Workplace Environment:

• Concept of Work place Environment – Heat, cold, noise, lighting, vibration & atmospheric pollution.
• Sources and effects of heat & cold on human body.
• Solutions for Air Conditioning (HAVC), Lighting, Security and Safety System.
• Working techniques of Lifts and Escalators.

SECTION–B

Unit II: Illumination:

• Purpose and types of lighting – natural and artificial
• Reflection and inadequate lighting
• Lighting standards for various tasks.
• Calculation of lux level in the room or area.
SECTION–C

Unit III: Air Conditioning

a) Definition and types
   - Window Air conditioning
   - Floor Standing Air conditioning
   - Split Air conditioning
   - Cassette Air conditioning

b) AHU, fan coil units, ducts and grills

SECTION–D

Unit IV: Interior Services:

- Water supply
- Drainage
- Thermal insulation
- Acoustic and Sound insulation

REFERENCES

3. Rockport, M. Commercial lighting, Rockport Publisher; Inc.

INTERIOR SERVICES & WORK PLACE ENVIRONMENT

PRACTICAL [PAPER -IV]

Teaching Periods: - 2hrs/week Total Marks: 50
Practical: 45
Internal Assessment: 05

Instructions to the examiner:-

- Each practical paper will be of three hours duration.
- The file work and sessional work will be of five marks each ( 10 marks)

1. Preparing and planning of water supply and drainage layouts for --
   a) Toilets (both public and residential) and
   b) Kitchen (both commercial and residential)
   c) Residential area with adjoin society.

2. Simple exercises (survey/report) on Workplace environment concepts.
   a) Energy Efficient Buildings / Green Buildings
   b) Cost Effective Building
Preparing and planning of Electrical Layouts for various areas with different communication equipments by symbolic representation and selection of suitable fittings for different work areas, such as –

a) Drawing room,
b) Bedrooms,
c) Study,
d) Bath,
e) Kitchen etc.

REFERENCES

3. Rockport, M. Commercial lighting, Rockport Publisher; Inc.
B.Sc. Home Science Part-III

AUTO COMPUTER AIDED DESIGN

PAPER - V

Teaching Period: 6 hrs/week

Total Marks: 150
Paper: 135
Internal Assessment: 15

Objectives:

• The students will learn to use AutoCAD as a drafting tool to produce accurate presentation and working drawings of their design projects and all furniture designs.

Unit - I

1. Getting started with basics

• Use of AutoCAD
• Commands line, rectangle, circle, offset, construction line, polyline, polygon, arc, hatch etc.
• Display commands
• Setting units.

Unit - II

2. Formats

• Text
• Dimensions
• Layers
• Colors
• Line weight and line type.

Unit - III

• Primitives
• Extruding
• Lofting
• Pivots
• Instancing and References

Unit - IV

• Modifiers
• Adding materials
• Mapping coordinates
• Lighting
• Setting cameras
Unit - V

- Blocks
- Attributes
- Using paper space
- Viewports
- Setting Paper sizes

Unit - VI

- Plotting from model and paper space.
- Perspectives, slides and scripts.
- Creating objects in 3D.
- Rendering 3D images.

Note:

- There will be three practical’s per week and each practical will be of two hours.
- Final practical examination will be of three hours.
- Final practical examination will be set by the external examiner on the spot.
- The file work and sessional work will be of 10 marks and 20 marks respectively.

References

- AutoCAD manual (Auto Desk)
- Dummy Series of Books (AutoCAD)
- Finkelstein, E. AutoCAD 2010 Bible.
B.Sc. Home Science Part-III
EXHIBITION/ FABRICATION/ WORKSHOP/ SEMINAR

PAPER - VI

Teaching Period: 4 hrs/week

Objectives:-

• Gain confidence in presenting.
• Develop skills for presentation in front of audience and experts.

Practical

Exhibition and Fabrication

• Display of projects done by students in their academics (sheet work of all subjects, 3D views, material board, collage, models etc)
• Putting up of formal exhibition on any concept (Rajasthan, modern India, tourist spots etc)
• Evaluation (internal assessment) of the project work by the external examiner.

Work Shops

• Work shop by experts on various topics (landscapes, vastu shastra, paints, flooring, wall treatment, furnishing, economical interiors etc)

Seminars

• Presentations by students on various topics related to interior design.

Note:

• Viva will be conducted during final practical examination.
• Final portfolio presentation by students on their projects.
• Students will be judged at various stages by external examiners during the session (after every presentation and seminar conducted)
B.Sc. Home Science Part-III  
(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>
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<tr>
<td><strong>Teaching Period – 3 hrs/ week</strong></td>
<td><strong>Internal Assessment: 05</strong></td>
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**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)

**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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