

VEER NARMAD SOUTH GUJARAT UNIVERSITY,
SURAT

M.A. HOME SCIENCE SYLLABUS SEMESTER
SYSTEM CHOICE BASED CREDIT SYSTEM (CBCS)

Semester – I

No.	Course Code	Name Of Course	Credits
1.	CCT - 01	Food Science – I (Theory)	04
2.	CCT - 02	Interior Decoration – I (Theory)	04
3.	CCT - 03	Apparel Design – I (Theory)	04
4.	ECT - 01	Entrepreneurship – I (Theory)	04
5.	ICT - 01	Research Methodology – I (Theory)	04
6.	SOC - 01	Vaastushashtra (Self Study Course)	02

Semester – II

No.	Course Code	Name Of Course	Credits
1.	CCT - 04	Food Science – I (Practical)	04
2.	CCT - 05	Interior Decoration – I (Practical)	04
3.	CCT - 06	Apparel Design – I (Practical)	04
4.	ECT - 02	Entrepreneurship – II (Theory)	04
5.	ICT - 02	Research Methodology – II (Theory)	04
6.	SOC - 02	Landscape Planning (Self study Course)	02

Semester – III

No.	Course Code	Name Of Course	Credits
1.	CCT - 07	Nutritional Assessment And Surveillance (Theory)	04
2.	CCT - 08	New Development Issues & Extension Techniques -I (Theory)	04
3.	CCT - 09	Early Childhood Education – I (Theory)	04
4.	ECT - 03	Machine Embroidery & Knitting-I(Practical)	04
5.	ECT - 04	Personal Empowerment (Theory)	04
6.	SOC - 03	Costumes of India (Self Study Course)	02

Semester – IV

No.	Course Code	Name Of Course	Credits
1.	CCT - 10	Food Packaging (Theory)	04
2.	CCT - 11	New Development Issues & Extension Techniques-II (Theory)	04
3.	CCT - 12	Early Childhood Education – I (Practical)	04
4.	ECT - 05	Machine Embroidery & Knitting-II (Practical)	04
5.	ECT - 06	Personal Empowerment (Theory)	04
6.	SOC - 04	Book Keeping and Accountancy (Self Study Course)	02

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – I****FOOD SCIENCE – I (THEORY)****CCT – 01****Credit: 04**

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

FOCUS: This course deals with nutrients and components in different foods and their behavior while cooking. It also enables the students to understand the changes that take place in specific foods.

OBJECTIVES:

To enable the students to-

1 Learn the composition of food and changes that occur during preparation.

2 Learn the methods of food preparation which blend acceptability with relation to nutrients.

THEORY:

Unit -1 Introduction to food science.

1 Physical and physiochemical changes in foods-

i) Colloids ii) Gels iii) Foams iv) Emulsions v) Proteins vi) Browning reactions

UNIT-2 Carbohydrates in foods

1 Sugar cookery

2 Starch cookery

3 Cereal and cereal cookery

4 Peptic substances

UNIT 3 Proteins in foods

1 Pulse cookery

2 Milk cookery

3 Egg cookery

4 Meat, Fish and Poultry cookery

-with classification, characteristics, types, products where applicable

UNIT 4 Fats and Oils

1 Types , sources, properties

2 Functional role of fats

3 Fat spoilage

4 Fat substitutes

UNIT-5 Vegetables and fruits

1 Structure, pigments

2 Post harvest changes in fruits

3 Changes during cooking.

UNIT _ VI Spices and Flavoring agents

1 Role in cookery

2 Classification

3 Functions

UNIT-V Beverages and Appetizers

1 Meaning and classification

2 Ingredients used for Beverages

3 Tea, Coffee and Cocoa

4 Fruit beverages

5 Soups

6 Milk based beverages

7 Malted Beverages

8 Alcoholic Beverages

UNIT-VI Nuts and Oil seeds

1 Nutritive value

2 Specific nuts and oilseeds

3 Toxins

REFERENCES:

Bennion, M.&Huges, O.,: Introductory Foods, Macmillon , New York.

Charley,H.,: Food Science, John Wiley & Sons.

Hinch, J., Packham, G.: Foundation Of Food Preparation, Macmilan, New York.

Potter, N. N.,: Food Science, CBS Publishers.

Srilakshmi, B.,: Food Science , New Age International Pvt. Ltd., Publishers.

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – I****INTERIOR DECORATION – I (THEORY)****CCT – 02****Credits:****04**

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

FOCUS: This course deals with the study of interior decoration and the factors influencing the residential interiors.

OBJECTIVES: To enable students to-

1. Gain better understanding of the principles of Interior Decoration.
2. Provide adequate facility for work relaxation, rest, comfort, privacy, maintenance and aesthetics etc. through interiors.

CONTENT:

UNIT – I Introduction

1. Concept of Interior Decoration in India.
2. Basics of Interior Decoration and developing Good

Taste.

- a) Good Taste and Optical Illusion
- b) Effect of culturing.
- c) Distribution of attention.

UNIT – II Language of Design.

Elements of Design

- a) Line –Types, effect
- b) Texture
- c) Colour
 - 1. Colour theories
 - 2. Pigment colour wheel
 - 3. Classification
 - 4. Qualities of colour-Hue, Value, Intensity
 - 5. Harmonies of colour – related and unrelated
 - 6. Emotional effect of colour
 - 7. Factors affecting colour harmonies
 - 8. Various colour harmonies for various rooms –
Living, Bed, Kitchen, Dinning, Guest, etc.
- d) Space
 - Application, psychological effects, various techniques etc.
- e) Form
 - Application, psychological effects, various techniques etc.
- f) Shape
 - Types, Uses in interior.
- g) Light

Types, Effect on object

UNIT – III Principles of Design

- a) Proportion
- b) Balance
- c) Harmony
- d) Emphasis
- e) Rhythm

- Their application, psychological effects, etc.

Application of elements and principles of design in-

- 1 Home
- 2 Art objects
- 3 Show case
- 4 Furniture
- 5 Flower arrangements
- 6 Floral art

UNIT – IV Lighting

Types-General and Decorative, Direct and Indirect

Effect of Lighting on decoration

UNIT-V Floor Covering

- 1 Types, selection
- 2 Carpet & Rugs- Steps of carpet processing, Planning of carpet.
- 3 Resilient Floor covering

Unit VI Furniture & accessories

1 History, need & style today

2 Furniture arrangement

3 Construction of furniture

4 Wall Accessories

UNIT VII Walls & windows

1. Importance, Types of walls & windows,& Furnishing

2. Ceilings-types & decoration

REFERENCES:

1 Anna, Hong Rutt,: Home Furnishing

2 Falkner and Falkner,: Inside Today` s Home

3 Falkner.,Ziogefeld and Hill,: Art Today

4 Ford and Ford,: Design of Modern Interiors

5 Goldstein and Goldstein,: Art In Everyday Life

MAGAZINES:

1 Inside Outside

2 Interiors

VEER NARMAD SOUTH GUJARAT UNIVERSITY
HOME SCIENCE
M.A. PART – I
SEMESTER – I
APPAREL DESIGNING & CONSTRUCTION TECHNIQUES
(THEORY)

CCT – 03

Credits: 04

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

Objectives:-

- 1 To make the students aware of fashion trends & fashion cycle.
- 2 To help the students learn figure analysis for apparel designing.
- 3 To make the students aware of human proportions & design garments accordingly.

Contents:-

1 Fashion:-

- (a) Role of fashion in apparel designing
- (b) Fashion trends.
- (c) Fashion cycle.

2 Figure analysis & creating optical illusion of dress designing.

(A) Figure analysis:-

- 1 Body proportion.
- 2 Figure types.
- 3 Selection of design in relation to figure types.

(B) Creating optical illusion for abnormal figures

3 Human proportions & figure construction

(A) Figure construction

- 1) Average woman's figure - seven & half head length
- 2) Fashion figure - eight head length
- 3) Young girl's figure - six & three fourth head length

(B) Methods of determining an individual's proportions:-

- 1 Steps in drawing lay figure (seven & half head)
- 2 Steps in drawing straight lay figure (eight heads)

(C) Preparing Croqui- Basic & elongated

4 Methods of clothing construction:-

(A) Drafting

(B) Flat pattern

- 1 Slash & spread method
- 2 Pivot method

(C) Draping method

- 1 Basic pattern on dress form- basic upper block,
basic lower block
- 2 Dart manipulation

5 Becoming & unbecoming dresses for following figures:-

- | | |
|----------------------|---------------------|
| (1) Stout figure | (2) Thin figure |
| (3) Narrow shoulders | (4) Broad shoulders |
| (5) Large bust | (6) Flat chest |

- | | |
|----------------|--------------------------|
| (7) Large hips | (8) Large abdomen |
| (9) Long neck | (10) Short or thick neck |

References:-

- 1 Anna Jacob Thomas, The Art of Sewing, UBS Publishers' Distributors Ltd. New Delhi
- 2 Bane A, Flat pattern design, Mcgraw Hill
- 3 Bray Natali, Dress pattern designing, London, Crosby, Lockwood & Staples
- 4 Brenda M, The techniques of dress design
- 5 Goldstein & Goldstein, Art in everyday life, IBH Publishing Co.
- 6 Goselle, D.A.& Nerta B. Figure types and size ranges
- 7 Helen L. Brokman, The theory of fashion design, John Wiley, & sons. Inc. New York
- 8 Jindal Ritu, Hand book for fashion designing-best drafting Techniques, Mittal Publications, New Delhi, 1998
- 9 Raul Jewel, Encyclopedia of dress making, APH Publishing Corporation, New Delhi.

VEER NARMAD SOUTH GUJARAT UNIVERSITY

HOME SCIENCE

M.A. PART – I

SEMESTER – II

ENTREPRENEURSHIP DEVELOPMENT

(THEORY)

ECT – 01

Credit:

04

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

Objectives

To enable students to –

1. Develop entrepreneurship skills
2. Analyze the environment related to small scale industry and business
3. Understand the process and procedures of setting up small (food) enterprises.
4. Develop management skills for entrepreneurship development.

Unit 1: Enterprise, entrepreneurs, entrepreneurship

Definitions, need, scope and characteristics of entrepreneurship, entrepreneurship development and employment promotion.

Identification of opportunities in (food) enterprises.

Women entrepreneurship, concept, types, problems and remedial measures

Unit 2: Business, environment for the entrepreneurs for (food)

enterprises

Government of India's policy towards promotion of entrepreneurship. Exposure to demand based, resource based, service based, import substitute and export promotion industries.

Unit 3: Small scale Industries- Evolution, Importance.

Unit4: Behavioral and managerial competences

Risk taking, Initiative, Confidence, self development Problem solving, & decision making Innovation, Creativity, Efficiency& Quality consciousness.

Unit5: Role of Public and Private Institution & Women Entrepreneurs

Banks, Govt., ILO, Chamber of commerce, DIC, SFC, STC.

Financial help to Entrepreneurs- National and state level institutions

Unit 6: Need, scope and approach for project formulation

Market survey techniques, criteria for principles of product selection and development, choice of technology, quality control. Major steps involved in setting up a Small Scale Unit-Project identification, project formulation, resources mobilization. Institutions, financing procedure and financial incentives. Financial ratios and their significance. Books of accounts, financial statements, funds flow analysis.

References

- Deshpande, V (1984):
 Entrepreneurship of small scale food industries, Concept,
 Growth and Management, Deep and Deep publication – D – 1/24,
 Rajouri Garden, New Delhi.

- Entrepreneurship Development, A Handbook for New
 Entrepreneurs, Entrepreneurship Development Institute of India.

- Meredith, G.G., Nelson, Re, et al. (1982):
 Practice of entrepreneurship, ILO,. Geneva.

- Parekh, L.U., and Rao, T.V. (1982):
 Personal efficacy in developing entrepreneurship,
 Learning systems. New Delhi.

- Rao, T.V. and Parekh, L.U. (1982):
 Developing Entrepreneurship, A Handbook.
 Learning systems. New Delhi

VEER NARMAD SOUTH GUJARAT UNIVERSITY

HOME SCIENCE

M.A. PART – I

SEMESTER – I

RESEARCH METHODOLOGY

(THEORY)

ICT – 01

Credit:

04

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

OBJECTIVES:-

To enable students to.....

1. Understand the signification of research.
2. Develop ability to construct data gathering instruments appropriate to the research design and
3. Develop ability to present and interpret data in a research report of thesis.
4. Understand the role of statistics in research and
5. Apply statistical techniques to research data for analyzing and interpreting data meaningfully.

Contents:

1. Science and Scientific Methods.
2. Research
 - Definition and Scope in Home Science
3. Types of Research
 - Historical, survey, experimental and case study.
4. Definition and Identification of a Research Problem
 - Selection of problem, theory, hypothesis, basic assumptions and limitations of the problem.
5. Basic Principles of Research Designing
 - Propose of research design, models of research design.
6. Data Gathering Instruments
 - Questionnaires, Interviews, Observation Scaling methods, reliability and validity of measuring instruments.
7. Sampling
 - Types of samples, selection of sample, benefits of sampling, evaluating a sample.
8. Analysis of the Data
 - Categorization, Coding, tabulation, and statistical testing.
9. Presentation and Interpretation of the data.
10. Conclusion and Recommendations
 - Summary techniques, conclusions and recommendations.
11. Report Writing
 - Presentation of report – format, foot notes, bibliographical citations.
 - a) Preparation of an abstract
 - b) Paper for publication

References:

- 1) Good C.V. and Carter, D.E., Methods of Research, Educational, Psychological, Sociological Applications, Century Crafts. New York, 1954.
- 2) Best, J.W., Research in Education, Prentice. Hall, New Delhi, 1983.
- 3) Kerlinger Foundations of Behavioral research, New York, Holt, Rinehart and Winson Inc 1966.
- 4) Doby, J T. An Introduction to Social Research, Appleton Century Crafts 1967.
- 5) Philips, B.S., Social Research Strategy and tactics, Mac Millan, 1977.
- 6) Young, P.V. and Schmid, C F Scientific Social Survey and Research, Prentice Hall New Delhi 1968.
- 7) Devdas, R.P. and Kulandaivel K. Hand book & Research Methodology, Sri Ramakrishna Mission Vidhyalaya 1971.
- 8) Shakla M. C. and Gulshan S.S. statistics, Theory and Practice, Sultanchand co. New Delhi 1970.
- 9) Gupta, S.P., Statistical Methods, Sultanchand & Co. New Delhi 1970.

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – I****VAASTUSHASHTRA****(THEORY)****SOC – 01****Credit:****02**

Internal Evaluation

Effect from 2010 – 2011

FOCUS:

Vaastushastra is a tool for learning from experience. It helps everyone to learn, plan better next time or improve upon existing ways of increasing peace, health and wealth of people lives in house by scientific knowledge of vastu. The focus of this paper is to help students to understand the process of vastu and develop skill.

OBJECTIVES:

To enable students to

- 1 Understand knowledge of vastu.
- 2 Weigh its value and recognize its advantages for better living.
- 3 Understand the use of vastu in their home.

CONTENT:

UNIT 1: Introduction, origin of the word, meaning.

UNIT 2: History and importance of Vaastu in home, Vaastu in Sanskrit literature.

UNIT 3: Vaastu Purush – Origin, three stories behind it.

UNIT 4: Vaastu Purush, Vaastu Chakra and places of God.

UNIT:5 : Knowledge of direction, Pocket Compass, Selection of site and direction

Methods of selection of site, effect of trees in selection of site, sites which gives peace, wealth and health, Increasing and decreasing plots in corner, various shapes of plots which gives negative results.

Types of Vaastu,

UNIT 6: Doors and direction, shape, size, numbers etc.

UNIT 7: Various rooms of the house and vaastushastra

Drawing, Bed, Puja, Balcony, Study, Compound wall, Dinning, Parking, Water tank, Entrance door, Gates, Bath room , Toilet, Second floor etc.

UNIT8: Various trees and vaastushastra- Peepal, Tulsi, Coconut, Lemon, Money Plant etc.

UNIT 9: House Plan according to vaastu

REFERENCE BOOKS:

1 Dr. Chandrakant Pathak, Vaastushastra; Shree Gajanan Pustakalaya, Surat.

2 www.google.com

3 www.yahoo.com

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****FOOD SCIENCE - I****(PRACTICAL)****CCT – 04****Credits: 04**

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

OBJECTIVES: To develop interest and skills in varied cooking.

CONTENT:

1. Preliminary preparations for various cooking, their meaning, advantages, and disadvantages (demonstration)
 - Cleaning
 - Peeling and Stirring
 - Cutting and Grating
 - Seiving
 - Soaking
 - Processing
 - Blanching
 - Marinating
 - Fermentation
 - Sprouting
 - Grinding
 - Drying
 - Filtering

- Roasting

2 Chinese cooking

Make five recipes from each group

- Basic recipes
- Soups
- Starters
- Main dishes
- Desserts

3 Italian cooking

Make five recipes from each group

- Basic recipes
- Soups
- Main dishes

5. Mexican cooking

Basic recipes

- Drinks and soups
- Salads
- Dips and Starters
- Main dishes

5. Indian sweets

Make five recipes from each group

- Burfis
- Gulab Jamuns variations

- Rasgullas variations
- Halwas and Pinnis
- Other Sweets

REFERENCES:

All cookery books, magazines and CDs related to above mentioned practicals.

Marking Scheme:

1. Journal – 04 Marks

2. Preliminary Preparations for various cooking/masalas/ basic recipes (To write only) -10 marks

3. Prepare one full meal of Chinese/ Punjabi/ Mexican /Punjabi / Italian cooking- 40 Marks

4. Make any one recipe of Sweets/ Rotis & Naans /Mukhwas-16 Marks

Total Marks -70

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****INTERIOR DECORATION - I****(PRACTICAL)****CCT – 05****Credits: 04**

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

I Good Taste

1. Clip two pictures from a magazine or use a photograph of any room which may show attractive furniture. Stick it on plain paper. Describe its good and bad points. Improve the room and remove bad points according to good taste.

II Application of elements and principles of design in-

1. Flower arrangement
2. Show case
3. Floral art
4. Furniture arrangement
5. Clip two pictures of any room and analyze it.

III Design

1. Collect pictures or articles showing types of design .
Evaluate requirements of good design.

IV. Colour in interiors

1. Draw a floor plan and elevation plan of any room of a home. Colour it with various colours using colour harmonies.
2. Make a chart of various rooms of your home. List colours of your room. Use colour schemes if you have to re decorate it.

V Lighting

1. Select a picture from magazine, observe it and give heading of lighting to it.
2. Cut a picture of well lighted room and describe in detail the effect of lighting on decoration.

VI Floor Covering

- 1 Stick two Pictures of well decorated floor of any interiors . Describe its type & good & bad points

VI Furniture

1. Stick two pictures of well furnished room Describe its good & bad points of its construction.

Unit VII Walls & windows

- 1 Stick two pictures of walls & windows describe its good & bad points.
- 2 Make various types of curtains & Draperies (minimum 10 types)
- 3 Make a sofa back

REFERENCES:

- 1 Anna, Hong Rutt,,: Home Furnishing
- 2 Falkner and Falkner,,: Inside Today` s Home
- 3 Falkner, Ziogefeld and Hill,,: Art Today
- 4 Ford and Ford,,: Design of Modern Interiors
- 5 Goldstein and Goldstein,,: Art In Everyday Life

MAGAZINES:

- 1 Inside Outside
- 2 Interiors

Marking Scheme:

1 Journal Marks	04
2 Class work Marks	15
2 Good Taste/ Design/ Element & principles of art Marks	10
3 Colour & colour shemes- Marks	16
4 Lighting/ floor covering/furniture/walls & windows Marks	10
5 Sofa back/ curtains- Marks	15

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****APPAREL DESIGN - I****(PRACTICAL)****CCT – 06****Credits: 04**

External – 70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

Objectives:

- 1) To help the students learning preparing basic blocks and adapting them for dress designing.
- 2) To develop student's expertise in constructing & decorative garments

Contents:-

- 1) Preparation of basic blocks.
- 2) Designing & stitching following garments for special occasions through adaptation of basic blocks.
 - 1) Sari blouse with surface ornamentation
 - 2) Chaniya Choli
 - 3) Garments for pregnant or lactating woman (Any one)
- 3) Fashion illustrations (any five garments)

References:-

- 1 Allen, Ann & Seaman, Julian, Fashion Drawing- Basic principles, B.T. Batsford, London
- 2 Doongaji, Basic Processes & Clothing Construction, Raj Book Depot, New Delhi
- 3 Juvekar M.B, Easy cutting, Ball Company
- 4 Raul Jewel, Encyclopedia of dress making, APH Publishing Corporation, New Delhi
- 5 Tate S.L, Edwards M.S, -The Complete Book of Fashion Illustration New York. Harper, Row Publications
- 6 Zarapkar, Zarapkar system of cutting, MUMBAI 166, Dadar, Bombay

Marking Scheme:

Journal – 04 Marks

Class work -16 Marks

Make basic blocks - 10 Marks

Make a garment-20 Marks

Fashion Illustration-20 Marks

Total marks- 70 Marks

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****ENTREPRENEURSHIP – II****(Theory)****ECT– 02****Credits:****04**

External -70 Marks

Internal – 30Marks

Effect from 2010 – 2011

Objectives :

To enable students to –

1. Develop entrepreneurship skills
2. Analyze the environment related to small scale industry and business
3. Understand the process and procedures of setting up small (food) enterprises.
4. Develop management skills for entrepreneurship development.

Unit 1: Techno-economic feasibility of the project of (food) enterprise**Unit 2: Critical path method – Project evaluation review techniques as planning tools for establishing SSI.****Unit 3: Plan lay out and process planning for the (food) product establishing the Unit.****Unit 4: Creativity and innovation**

Problem solving, personnel management, salaries, wages and incentives, performance appraisal, quality control.

Unit 5: Food marketing and Sales Management

Marketing strategy, packaging, advertising, label intervention, pricing, after sales service.

Unit 6: Legislations

Licensing, registration, municipal laws, business ethics, income tax, labour law application, consumer complaint redressal.

References

- Deshpande, V (1984):
Entrepreneurship of small scale food industries,
Concept, Growth and Management, Deep and Deep
publication – D – 1/24, Rajouri Garden, New Delhi.
- Entrepreneurship Development, A Handbook for New Entrepreneurs,
Entrepreneurship Development Institute of India.
- Meredith, G.G., Nelson, Re, et al. (1982):
Practice of entrepreneurship, ILO,. Geneva.
- Parekh, U., and Rao, T.V. (1982):
Personal efficacy in developing entrepreneurship,
Learning systems. New Delhi.
- Rao, T.V. and Parekh, L.U. (1982):
Developing Entrepreneurship, A Handbook. Learning
systems. New Delhi.

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****RESEARCH METHODOLOGY – II****(Theory)****ICT– 02****Credits:****04**

External -70 Marks

Internal – 30 Marks

Effect from 2010 – 2011

OBJECTIVES:-

To enable students to.....

1. Understand the signification of research.
2. Develop ability to construct data gathering instruments appropriate to the research design and
3. Develop ability to present and interpret data in a research report of thesis.
4. Understand the role of statistics in research and
5. Apply statistical techniques to research data for analyzing and interpreting data meaningfully.

Content:-

1. Meaning and Scope of Statistics. Role of statistics in research.

2. Descriptive statistics. Classification, tabulation, frequency distribution, diagrammatic and graphic representation of the data.
3. Measures of central tendency and dispersion (absolute and relative) Skewness and Kurtosis.
4. Probability: Definition, Concept of discrete probability distributions, Normal distribution, use of normal probability tables.
5. Elements of Sample survey. Methods of simple random sampling and stratified random sampling.
6. Element of testing a statistical hypothesis, formulation of the problem. Definition of Type I and Type II errors levels of significance. Large sample tests for proportions. Difference in proportions for means and difference in means.
7. Application of student's t-test for small samples for single mean, difference in means F-test for equality of variance.
8. Correlation, Coefficient of correlation and its interpretation, rank correlation, regression equation and predictions.
9. Non-Parametric tests, application of chi-square tests. Goodness of fit, Independence of attributes 2×2 and $r \times c$ contingency tables.

References:

- 1) Good C.V. and Carter, D.E., Methods of Research, Educational, Psychological, Sociological Applications, Century Crafts. New York, 1954.
- 2) Best, J.W., Research in Education, Prentice. Hall, New Delhi, 1983.
- 3) Kerlinger Foundations of Behavioral research, New York, Holt, Rinehart and Winson Inc 1966.
- 4) Doby, J T. An Introduction to Social Research, Appleton Century Crafts 1967.
- 5) Philips, B.S., Social Research Strategy and tactics, Mac Millan, 1977.
- 6) Young, P.V. and Schmid, C F Scientific Social Survey and Research, Prentice Hall New Delhi 1968.
- 7) Devdas, R.P. and Kulandaivel K. Hand book & Research Methodology, Sri Ramakrishna Mission Vidhyalaya 1971.
- 8) Shakla M. C. and Gulshan S.S. statistics, Theory and Practice, Sultanchand co. New Delhi 1970.
- 9) Gupta, S.P., Statistical Methods, Sultanchand & Co. New Delhi 1970.

VEER NARMAD SOUTH GUJARAT UNIVERSITY**HOME SCIENCE****M.A. PART – I****SEMESTER – II****LANDSCAPE PLANNING – II****(Theory)****SOC– 02****Credits:****02**

Internal Evaluation

Effect from 2010 – 2011

FOCUS: This course deals with introduction to landscape gardening and factors under consideration. It also deals with planning landscape and gardening.

OBJECTIVES: To help students to-

- 1 Understanding residential landscaping.
- 2 Know principles and elements of landscaping.

CONTENT:

UNIT 1: Signs and symbols used for landscaping.

Unit 2: Garden- selection of plants

A Lawn advantages, essential requirements, methods for growing lawn care grass used for making lawn

B Ground cover- meaning, types.

C Trees- selection, Common trees used in home garden, care

D Flowers- Plants, Shrubs, Season Flowers

E Hedge- Common plants used for making hedge

F Decorative outdoor plants , care

G Indoor plants- potting, care, sunlight, compost, repotting etc.

H Terrace Garden- preparation of terrace. Water proofing, Planning, plants used Herbal plants, shadow for plants

Reference:-

(1) Again Tessies : The House: Its Plan & Use.

(2) House & Garden Magazine