

बरकतउल्ला विश्वविद्यालय, भोपाल

क्रमांक: 1625/अकादमी/पाठ्यक्रम/अ-1/अधिसूचना/1।

भोपाल, दिनांक 29/8/2011

// अधिसूचना //

सर्वसंबंधितों को सूचित किया जाता है कि एम.एस-सी. (गृहविज्ञान) रिसोर्स मैनेजमेंट के प्रथम एवं द्वितीय सेमेस्टर के पाठ्यक्रम में आंशिक संशोधन किया गया है। उक्त संशोधित पाठ्यक्रम प्रथम सेमेस्टर में प्रवेश लेने वाले विद्यार्थियों पर प्रभावशील होगा।

अतः संलग्न संशोधित पाठ्यक्रम के अनुसार ही अध्यापन की कार्यवाही सुनिश्चित करने का कष्ट करें।

(डॉ. बी.भारती)

उप-कुलसचिव (अकादमी)

भोपाल, दिनांक 29/8/2011

पृ.क्रमांक: 1626/अकादमी/पाठ्यक्रम/अ-1/1।

प्रतिलिपि :-

1. बरकतउल्ला विश्वविद्यालय से संबद्धता प्राप्त महाविद्यालयों के समस्ता प्राचार्यगण एवं शैक्षणिक विभाग की ओर इस निवेदन के साथ कि उक्त अधिसूचना को महाविद्यालय एवं शैक्षणिक विभाग में अध्ययनरत विद्यार्थियों को अवगत कराने की कार्यवाही सुनिश्चित कर उक्त अधिसूचना को महाविद्यालय/शैक्षणिक विभाग के पटल पर चस्पा करने का कष्ट करें।
2. अधिष्ठाता, छात्र कल्याण विभाग, बरकतउल्ला विश्वविद्यालय की ओर सूचनार्थ।
3. संबंधित अध्ययन मण्डल के अध्यक्ष एवं समस्त सदस्यों की ओर सूचनार्थ।
4. उप-कुलसचिव परीक्षा गोपनीय कक्ष बरकतउल्ला विश्वविद्यालय की ओर सूचनार्थ।
5. सहायक कुलसचिव, भण्डार कक्ष, बरकतउल्ला विश्वविद्यालय की ओर सूचनार्थ।
6. संबंधित सहायक परीक्षा/गोपनीय कक्ष की ओर सूचनार्थ।
7. प्रभारी वेबसाइट सेल की ओर इस आशय के अनुरोध के साथ कि छात्रहित में उक्त अधिसूचना विश्वविद्यालय की वेबसाइट पर अपलोड करने की कार्यवाही करने का कष्ट करें।
8. पात्रता विभाग/मित्र कार्यालय, बरकतउल्ला विश्वविद्यालय की ओर सूचनार्थ।
9. कुलपति/कुलसचिव के निज सचिव के माध्यम से कुलपति/कुलसचिव की ओर सूचनार्थ।
10. निज नस्ती।

उप-कुलसचिव (अकादमी)

बरकतउल्ला विश्वविद्यालय, भोपाल
Barkatullah Vishwavidyalaya, Bhopal

As per model syllabus of U.G.C. New Delhi, Approved by
Board of Studies Computer Science



गृह विज्ञान संकाय
पाठ्यक्रम एवं निर्धारित पुस्तकें
एम.एस.सी. गृह विज्ञान प्रथम एवं द्वितीय सेमेस्टर

परीक्षा 2011–12
(संशोधित पाठ्यक्रम)

FACULTY OF HOME SCIENCE
Syllabus for
M.Sc. (Home Science) I & II Semester
Examination 2011-12

RESOURCE MANAGEMENT
(Revised Syllabus)

प्रकाशक
कुलसचिव
बरकतउल्ला विश्वविद्यालय, भोपाल

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M.SC. (HOME SCIENCE)

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BARKATULLAH UNIVERSITY, BHOPAL

**FIRST SEMESTER
M.Sc. (Home Science)
RESOURCE MANAGEMENT**

- | | | | | |
|---------------------|---|----------------------|-------------------------------|--------------|
| 1. Course Code | : | | 5. Maximum marks | : 600 |
| 2. Course Name | : | M.Sc. (H.Sc.) | 6. Optional Paper | : 0 |
| 3. Total Paper | : | 4 | 7. Practical | : Y |
| 4. Compulsory Paper | : | 4 | 8. Minimum Passing percentage | : 36 |

Sub. code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks						
		1 st	2 nd	3 rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
Compulsory papers															
	First – Theory of Management	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Second - Environment Management	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Third – Landscaping	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Fourth- Research Method and Statistics	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Practical I – Theory of Management	0	0	0	0	0	0	0	0	0	100	36	100	36	
	Practical II – Landscaping	0	0	0	0	0	0	0	0	0	100	36	100	36	

BARKATULLAH UNIVERSITY, BHOPAL
M.Sc.(H.Sc)
Resource Management
First Semester

TITLE OF THE PAPER	MAX. MARKS TH.+CCE=TOTAL
First - Theory of Management	70+30=100
Second - Environment Management	70+30=100
Third – Landscaping	70+30=100
Fourth- Research Method and Statistics	70+30=100
Practical I - Theory of Management	100
Practical II – Landscaping	100
TOTAL MARKS	600

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Theory of Management
Paper	-	First
Semester	-	First

Max. Marks - 70

OBJECTIVES :

- To understand the significance of management in the micro and macro level organization.
- To know the conceptual, human and scientific aspects of management functions.
- To develop the ability to evaluate the management efficiency and effectiveness in the family and other organizations.
- To enhance the understanding of the similarities among all areas of management education and research, the dissemination of the professional knowledge, skills and attitude.

UNIT-I

1. History and development of management in India and elsewhere
 - Industrial
 - Farm and agricultural
 - Institutional
 - Household
 - Education

UNIT - II

2. Management as a System -
 - Definition
 - Elements
 - Types
 - Advantages and limitations of systems approach
 - Application in Family Resource Management.

3. Management Abilities :
 - Conceptual
 - Human
 - Technical
4. Decision Making
 - Meaning
 - Types of decisions
 - Modes of decision making
 - Techniques and tools for decision making : Decision tree.
 - Cost benefit analysis.

UNIT - III

5. Management Functions and Processes :
 - Planning - Objectives, principles, policies, strategies.
 - Organizing - purpose, principles, processes delegation authority, responsibility & accountability.
 - Staffing, purpose, principle, recruitment, appraisal.
 - Guiding, directing, leadership, motivation, communication.
 - Controlling, tools for management control, feedback.
 - Appraisal/evaluation - Tools and techniques.

UNIT - IV

6. Human Behavior in Organizations :-
 - Personality, attitudes, motivating factors.
 - Group behavior and dynamics
 - Team management
 - Stress and Conflict Management.

UNIT - V

7. Ends Sought through Management :-
 - Goals - factors affecting, ends.
 - Values - sources of value patterns, status, security.
 - Standards - Quality Control, Total Quality Management.
 - Harmony, Ethics.

REFERENCES :-

1. Kapur, S.K. (1996) : Professional Management, S.K. Publishers. New Delhi.
2. Deacon, R.E, and Fire Baugh, F.M. (1975) : Home Management Context and Concept. Hougmcn Miffen. Boston.
3. Deacon, R.E. and Firebaugh, F.M. (1981) : Resource Management Principles and applications, Allyn and Bacon and Bacon Boston.
4. Sheman, A.W. et al. (1988) ; Managing Human Resources, South - VWestorn Publication Co. Cincinnati.
5. Ivancevich, J.M. et al. (1980) : Managing for performance Business publications INC. Texas.
6. Dwivedi, R.S. (1981) - Dynamics of Human Behavior of work, Oxford and 9BH. New Delhi.
7. Saiyadain, M.S. (1988) : Human Resource Management, Tata Mc Graw Hill, New Delhi,
8. Dayal R. (1996) : Dynamics of Human Resource development, Mittal Publications. New Delhi

BARKATULLAH UNIVERSITY, BHOPAL

Class - **M.Sc. (Home Science)**
Subject - **Resource Management**
Paper name - **Practical – I (Theory of Management)**
Semester - **First**

Max. Marks - 100

PRACTICAL

1. To find out time norms of any two household activities
2. To study and simplify any two household activities with the help of process chart.
3. To Practice two household activities with the help of operation chart.
4. To Study and develop a new simplified method of doing any two household activities with the help of pathway chart.
5. A survey of time / Money / Fnergy / Managerial problems in different communities,
6. To obtain managerial experiences in home Management residential course.
7. Maintaining the record of the practical
8. Viva.

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Environment Management
Paper	-	Second
Semester	-	First

MAX. MARKS - 70

OBJECTIVES :

- To be aware of the holistic ecological approaches to environment.
- To be aware of the environmental problem, hazards and risks.
- To understand the aspects of environmental pollution and waste management.
- To be aware of the environmental policies, movements and ethics.

UNIT-I

1. Fundamental of environment :
 - (a) Definition of environment, scope of environment studies.
 - (b) Components of environment - Atmosphere, Lithosphere, Hydrosphere.
 - (c) Physio - chemical factors in environment.
2. Ecosystem - Earth, Man & Environment -
 - (a) Concept of Ecosystem.
 - (b) Structure of Ecosystem - Abiotic (non-Living and Biotic living) Components

UNIT-II

Population and Environment -

- (a) Population growth
- (b) Impact of population growth on economic development and environment.

Environment management :-

- (a) Concept of environment management,
- (b) Need for environment management.
- (c) Aspects of environment management. environment consciousness and public awareness. Environment Education.
 - (in) Improvement of production technology.

- (d) Development of scientific and intellectual efficiency
- (e) Regulation of socio - cultural aspects.
- (f) Resource management.

UNIT- III

- 5. Air pollution -
 - (a) definition, sources and effects of air pollution.
 - (b) Measures to control air pollution,
- 6. Water pollution :
 - (a) Definition and sources of water pollution.
 - (b) Harmful effects of water pollution,
 - (c) Remedies to control water pollution.
- 7. Noise pollution -
 - (a) Sources of noise pollution.
 - (b) Harmful effects of noise pollution.
 - (c) Control of noise pollution.

UNIT - IV

- 1. Forest conservation -
 - (a) Importance of forests,
 - (b) Deforestation and bad effects of deforestation
 - (c) Forest conservation.
 - (d) Chipko Aandolan.
- 2. Wildlife conservation -
 - (a) Importance of wildlife.
 - (b) Importance of biodiversity.
 - (c) Conservation of wildlife,

UNIT-V

- 1. Waste management
 - (a) Sources and types of solid wastes
 - (b) Effects of solid waste pollution and its management.
- 2. Environmental Legislation (in brief) -
 - (a) The water (Prevention and Control of Pollution) Act, 1974.
 - (b) The Air (Prevention and Control of Pollution) Act,, 1981.
 - (c) The Environment Act, 1986,

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Landscaping
Paper	-	Third
Semester	-	First

MAX. MARKS - 70

OBJECTIVES :

- To Study and to understand the landscape designing and its appropriate application.
- To get familiar with the various materials related to landscaping.

UNIT - I

1. Introduction and definition of landscaping from interior space design point of view
2. Objective of landscape gardening.
(a) Functionalism (b) Esthetic
3. Division according to use
 1. For ground area
 - (i) The side Walk (ii) The drive way
 2. Private area or living area.
 - (i) Poarches (ii) Terrace or Patio (iii) Pool
 - (iv) Play space for children.
 3. Service area or utility area.
 - (i) Garage (ii) Vegetable garden
 - (iii) The drying area. (iv) Space for keeping garden foods
 - (v) Space for dumping garbage.

UNIT - II

1. Principles of landscape planning.
2. Location and Orientation.
3. Soil - types
4. Climatic condition,

UNIT-III

1. Layout of front garden. The Landscape Plan
 - (a) Preparation of Lawn.
 - (b) Flower beds, planting flowers, Kind of flowers.
2. Trees, Shurbs.
3. Water garden, Rock garden
4. Hedges.
5. Garden Paths.

UNIT - IV

1. Garden Furniture.
 - (a) Importance, Use, Types and selection.
2. General Introduction to garden equipments Types and use.
3. System of irrigation drainage - Type Surface drainage.
Under ground drainage.

UNIT-V

1. Understanding of various materials for paving walk way etc. (stone masonry. Brick Masonry)
2. Pargolas, Green house.
3. Indoor and outdoor plants.
4. Kitchen Garden.

BARKATULLAH UNIVERSITY, BHOPAL

Class - **M.Sc. (Home Science)**
Subject - **Resource Management**
Paper name - **Practical-II (Landscaping)**
Semester - **First**

MAX. MARKS - 70

1. Designing of Partly outdoor landscape garden
2. Designing of terrace/Roof garden.
3. Layout of front garden.
 - (a) Lawn
 - (b) Flower beds
 - (c) Trees
 - (d) Hedges
 - (e) Garden Paths.
4. File work
5. Planting indoor plants.
 - (a) Bonsai, Ferns etc.
 - (b) Pot culture
6. Visits to see landscape gardens.

REFERENCES :-

1. Cednc Croelxer - All about Landscaping - Ortho Books.
2. Lemer J.M. - The Complete Home Landscape Designer.
3. Paul Authony - Garden Design, Collins, Illinois.
4. Sunset books (1982) How to build walks, Walls, and patis fillor, Lane Publishing Co. California.
5. Bazin Germain (1999) Paradisos -The Art of Garden Artillery House. London.

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Research Methods and Statistics
Paper No.	-	Fourth
Semester	-	First

Max. Marks - 70

OBJECTIVES:

1. To understand the significance of statistics and research methods in home Science research
2. To understand the types, tools and the methods of research and develop the ability to construct the data gathering instruments appropriate to the Research design,
3. To understand and apply the appropriate statistical teaching for the measurement and design.

CONTENTS :

UNIT – 1

- Research: meaning objectives and significance of research.
- Science, Scientific methods, scientific approach
- Role of Statistics and research in home Science discipline.
- Types of Research: Historical, descriptive, experimental, case study, Social research observation research.

UNIT – 2

- Definition and identification of a research problem.
- Selection, justification and limitation of research problem
- Hypotheses – meaning nature , characteristic, types and function of hypothesis
- Variables : meaning , nature , type and selection of variables.

UNIT – 3

SAMPLING METHODS –

- Population and sample.
- Probability and semi probability sampling–simple random, systematic random sampling, two stages and multi stage sampling , cluster sampling.
- Non-probability sampling: purposive, quota and volunteer sampling
- Merits and Demerits of sampling.

UNIT – 4

RESEARCH DESIGN

- Meaning, features concept and purpose of research design.

QUALITATIVE RESEARCH METHOD

- Definition theory design types reliability and validity of :-
 1. Case Study
 2. interviews
 3. Observation

UNIT – 5 DEFINITION RESEARCH METHOD

Definition theory design types reliability and validity of

1. Socio metric scale
2. Questionnaire
3. Schedule.

REFERENCES

1. EDWARD; EXPERIMENT AL DESIGN IN PSYCHOLOGICAL RESEARCH
2. GARRETT HENRY E., 1971: STATISTICS IN PSYCHOLOGY AND EDUCATION, DA VM HALEY 4 Co.
3. KERLINGER; FOUNDATION OF EDUCATIONAL RESEARCH
4. BHATNAGAR, G L 1990; RESE.c\ .RCH METHODS AND MEASUREMENTS IN BEHA VIOURAL AND SOCIAL SCIENCE, AGRI.COLE PUBLISHING ACADEMY, NEW DELHI.
5. BHANDARKAR, PL., AND WILKINSON, T S., 2000: METHODOLOGY AND TECHNIQUES OF SOCIAL RESEARCH, HIMALAYA PUBLISHING HOUSE, MUMBAI.
6. MUKHERJEE, R. 1989: THE QUALITY OF LIFE -VALUATION IN RESEARCH, SAGE PUBLICATION NEW DELHI.
7. MUKHERJEE, R N., 2000: SOCIAL RESEARCH AND ST AT ISTICS, VIVEK PUBLISHERS NEWDELHL
8. KOTHARI, CR., 1997: RESEARCH METHODOLOGY -METHODS AND TECHNIQUES, WISHWA PRAKASHAN, NEW DELHI.
9. GAG GAR, P R., 19'7: STATISTICS, RESEARCH PUBLICATION, NEW DELHL
10. NEGI, K S., BIOSTATISTICS, A I T B S PUBLISHERS .
11. MAHAJAN, B K., METHODS IN BIOST ATISTICS: JA YPEE PUBLISHERS, NEW DELHI

BARKATULLAH UNIVERSITY, BHOPAL

**SECOND SEMESTER
M.Sc. (Home Science)
RESOURCE MANAGEMENT**

- | | | | | |
|---------------------|---|----------------------|-------------------------------|--------------|
| 1. Course Code | : | | 5. Maximum marks | : 600 |
| 2. Course Name | : | M.Sc. (H.Sc.) | 6. Optional Paper | : 0 |
| 3. Total Paper | : | 4 | 7. Practical | : Y |
| 4. Compulsory Paper | : | 4 | 8. Minimum Passing percentage | : 36 |

Sub. code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.	
		1 st	2 nd	3 rd	Max.	Min.	Max.	Min.	Max.	Min.					
Compulsory papers															
	First – Housing For Family Living	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Second - Consumer in the market	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Third – Consumer Education	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Fourth- Statistical & Computer Application	70	0	0	70	26	30	10	100	36	0	0	100	36	
	Practical I – Housing For Family Living	0	0	0	0	0	0	0	0	0	100	36	100	36	
	Practical II – Consumer in the market	0	0	0	0	0	0	0	0	0	50	18	50	18	
	Practical III – Statistical & Computer Application	0	0	0	0	0	0	0	0	0	50	18	50	18	

BARKATULLAH UNIVERSITY, BHOPAL
M.Sc.(H.Sc)
Resource Management
First Semester

TITLE OF THE PAPER	MAX. MARKS TH.+CCE=TOTAL
First - Housing For Family Living	70+30=100
Second - Consumer in the market	70+30=100
Third – Consumer Education	70+30=100
Fourth- Statistical & Computer Application	70+30=100
Practical I - Housing For Family Living	100
Practical II – Consumer in the market	50
Practical II – Statistical & Computer Application	50
TOTAL MARKS	600

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Housing for Family living
Paper	-	First
Semester	-	Second

Max. Marks - 70

OBJECTIVES :

- To enable the students to
- Recognize the role of housing for national development
- Be aware of the housing, problems in India and the measures for alleviating the problems.
- Understand and apply the principles of design in housing.

CONTENTS :

UNIT - I

- History of housing
- Changes in housing needs and standards.
- Housing in India as affected by trends in
- Establishments of households.
- Levels of income per households.
- Occupation
- Family mobility
- Technological development.

UNIT - II

- Present housing condition in India.
- Rural and urban
Cost of housing
- Availability of building material
- Quality of housing available
- Quantity of House available.
- Factors affecting housing
- Social, cultural, demographic, climatic etc.

UNIT-III

- Approaches to housing
- Housing an element in the socio-economic development.
- Private and public housing
- Various housing schemes : central and local government programs, industrial housing.
- Housing standards and housing legislation.
- Building codes and byelaws.
- Rent control act, Technical aspects of house design with reference to principles of planning.

UNIT - IV

- Modern architecture materials for construction - Advantages and disadvantages with respect to suitability to design, availability, durability maintenance, safety convenience and economy.
- Factors influencing cost, sources of financial assistance.

UNIT – V

- Essential Services
- Types of services
- Water supply, drainage
- Housing research
- Agencies for research and development.
- Methods and techniques.

BARKATULLAH UNIVERSITY, BHOPAL

Class - **M.Sc. (Home Science)**
Subject - **Resource Management**
Paper name - **Practical-I (Housing for Family living)**
Semester - **Second**

Max. Marks - 100

OBJECTIVES :

1. Analysis of floor plans and evaluation.
2. Drawing House plans for various income groups
3. Study of different housing designs
4. Study of housing conditions, building materials and technology.
5. Visits.

REFERENCE :

1. Ambedkar, V.N. & Modal, N.V. (1971) : Town & Country planning & Housing orient Longman.
2. Deshpande, R.S. (1974) : Modern ideal homes for India, United book corporation.
3. Faulkner, S. (1979) : Planning a housing, Holt, Richard & Winson.
4. George, D. (1981) : How to be your own electrician, Saence stall book. Harper and row.
5. Graham, L. (1982) : Lighting your home, Wills and Boons Ltd.

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Consumer in the market
Paper	-	Second
Semester	-	Second

Max. Marks - 70

OBJECTIVES

To familiarize the students with the changing economic environment and the rising consumerism.

To enhance the understanding of the marketing system and the marketing strategies.

To have an overview of the consumer behavior and the consumer movement

To help them to become wise consumers for judicious use of resources in the "present market systems and environment.

CONTENTS

UNIT – I Consumer and the Indian economic environment.

- Definition and characteristics of consumers.
- Definition, role, types*and how does an economy function, problem economy.
- Back ground of Indian economic environment.
- Role of consumers in the economy of a nation.

UNIT – II Contemporary Economic Environment.

- Introduction of Market: Meanings, definition, characteristics types.
- Changing business environment–Tele markets, global, e-business and ecommerce.

UNIT – III Consumer behaviour

- Understanding consumers and their wants.
- Determinants of consumer behaviour - Opinion, leadership, group influence, social class and culture,
- Guidelines for wise purchasing practices.

UNIT – IV Consumer Protection : Need and Rationale.

- History of consumer movement in India - Origin, growth, causes for slow growth.
- Types of Exploitation - Adulteration, packaging, label, weights & measures. advertising and sale gimmicks.
- Causes of exploitation.
- Consumer problems and their solutions.

UNIT – V

- A Market Practices that exploit consumers.
- Role of Consumer Organization – National.
- Regional and International
- Empowerment of consumers
- Ways of Promoting consumerism

REFERENCES -

1. Bedekar, S.J. (1991) Marketing - Concepts and strategies, Oxford University Press, Mumbai.
2. Chadha, R. (1995) : The Emerging Consumer, New age Imitational Publishers Limited and Wiley Eastern Limited, New Delhi.
3. Sherlekar, S.A. SJS, Victor and K.N. Prasad (1994) : Principles of Marketing. Himalaya Publishers, Mumbai.
4. S. George Getz (1991), The Consumer and the law, Wiley Eastern Limited.
5. Varkey, V.Q. Handbook on Marketing, Everest Publishing House.
6. SethjM. and seethuraman, P. (1994) Consumerism : A growing concept Phoenic Publishers, New Delhi.

BARKATULLAH UNIVERSITY, BHOPAL

Class - **M.Sc. (Home Science)**
Subject - **Resource Management**
Paper name - **Practical-II (Consumer in the market)**
Semester - **Second**

Max. Marks - 50

Practical Survey

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Consumer Education
Paper	-	Third
Semester	-	Second

Max. Marks - 70

OBJECTIVE :

- To sensitize the student with the need for consumer education.
- To develop and understanding of market environment and business strategies.
- To strengthen the consumer knowledge and to equip them to face challenge in the market situation.

CONTENTS :-

UNIT – I Consumer Education :-

- (a) Brief History
- (b) Definition, Concept, need and importance,
- (c) Objectives.
- (d) Consumer Movement-Meaning and philosophy of consumer movement. objectives of consumer movement, a brief review of consumer movement in developed countries in developing countries.

UNIT-II Action Line for Consumer Education :-

- (a) Action Plan - knowing the existing situation, formulating a plan of action. implementation of the plan, evaluation and follow-up.
- (b) Methods of imparting consumer education-lectures, demonstrations, role plays & games, product testing and evaluation.
- (c) Approach to or contents of consumer education- (i) economic-Management of resources, making wise purchase decisions, development of sound purchasing habits and skills (ii) health & safety - evaluation of products on the ground of health and safety of consumers, (iii)

Environmental – conservation of resources and Protection of environment (iv) Legal.

- (d) Resource - Media - Written, audio and visual, market place, government agencies, consumer organizations

UNIT - III Teaching consumerism :-

- (a) Consumer aids - meaning, categories (types)
- (b) Consumer rights and responsibilities
- (c) Problems faced by consumers.

Consumer Protection :-

- (a) Need, Measures / Methods.
- (b) Role of Consumer organizations in protection and improvement of consumers.
- (c) Types and purpose of consumer organisation.

UNIT – IV Setting up a consumer organization -

- (a) Organizational set up - Objectives, membership, Emblem/Logo, Basic requirement, registration.
- (b) Activities of organization.
- (c) Some Do's and Don'ts for activists of consumer organization.
- (d) Suggestions for making the organization viable and effective.
- (e) Co-ordination with other organization.

UNIT – V

- (a) **Consumer Laws** - Legislations enacted for consumer protection in India, objectives and provisions in the Acts.
- (b) **Redressal** - Consumer Protection Act and the complaints by the consumers who can file a complaint, where and how to file a complaint, relief available to consumers, procedure for filing the appeal, time limit for deciding a complaint appeal.

(c) **Future of consumer Education :-**

- (a) Need for research
- (b) Types of Consumer research - exploratory and conclusive.

Methods of research or gathering consumer information - observation, surveys experiments.

BARKATULLAH UNIVERSITY, BHOPAL

Class	-	M.Sc. (Home Science)
Subject	-	Resource Management
Paper name	-	Statistics & Computer Application
Paper No.	-	Fourth
Semester	-	Second

Max. Marks - 70

OBJECTIVES

- To understand the role of statistics and computer applications in research.
- To apply statistical techniques to research data for analysing and interpreting data meaningfully.

Note : Special instructions should be sent to paper setter to set one theoretical question and its option should be numerical question.

Unit – I

- Classification and tabulation of data.
- Graphic presentation, Frequency distribution, Histogram, frequency, polygons, Ogive
- Average of position in individual, discrete and continuous series.

Unit-II

- Normal distribution - Characteristics, deviation from normality
- Measures of variability - range quartile deviation, Mean Deviation, Standard Deviation or SD.

Unit-III

- Testing of hypothesis, Type I and Type II errors.
- Non parametric Methods Chi-square test, Application of student T test for Small samples. Difference in proportion for means and difference in means–Critical ratio.

Unit-IV

- Correlation - . meaning, types.

- Coefficient of correlation by Scatter diagram, rank correlation, product Movement method
- Analysis of variance-nature use & basic Concept one and two-way.

Unit – V

- Experimental Designs - Nature, types - Single group-two group- Control & experimental Group.
- Randomized block design
- Latin square design
- Factorial design

REFERENCE:

- Garrett, Henry E. (1971) Statistics in Psychology and education, David Heley and Co.
- Edwards : Experimental Design in Psychological research
- Kerlinger: Foundation of Educational Research.
- SPSS/PC for the IBM PC/Xt. SPSS Inc.
- Goyal Mathamatics statistics.
- Levin Statistics for Management.
- Yule An Introductory to the theory of statistics.
- Moud Introduction to the theory of statistics,
- Freund Mathematical statistics.
- Nag Mathematical statistics.
- Patri Statistical Methods.
- Choundan Statistics for Business and Economics
- Singh Principal of Statistics.
- Thamligom research methodology,
- Kothari research methodology.
- Agrawal Basic Statistics.
- Sankhyaki ke mule sidhant (Hind) Or. H.K. Kapil.
- Sankhakiya vidhiya vayvhar park vigyano mai by Dr. S.P Gupta.
- Fundamental of research Keriliger
- Anusandhan Vidhiya By Parasnath.

BARKATULLAH UNIVERSITY, BHOPAL

Class - **M.Sc. (Home Science)**
Subject - **Resource Management**
Paper name - **Practical-III** (Statistics and Computer Application)
Semester - **Second**

Max. Marks - 50

1. Tabulation.
2. Graphic Presentation, Frequency curve, Histogram, Frequency Polygons, Ogive.
3. Calculation of Mean, Median, Mode.
4. Calculation of Standard Deviation.
5. Correlation.

Note Students should be given hands-on experience to use appropriate software packages for selected statistical analyses.