

Semester wise syllabus for Post Graduates
As recommended by board of studies
Govt. K.R.G. P.G. Autonomous College Gwalior M.P.

M.Sc. (Home Science)
RESOURCE MANAGEMENT
Semester - II
Paper I
HOUSING FOR FAMILY LIVING

~~20-18-19~~ 2021-22

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 allocating 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 Population
- 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
 - Factors affecting housing
- Social, cultural, demographic, climatic etc

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UNIT - III

- Approaches to 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

- Residential architectural design and housing construction.
- 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
- Type of services
- Water supply, drainage
- Housing research
- Agencies for research and development
- Methods and techniques

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RESOURCE MANAGEMENT

SEMESTER - II

Paper-II

CONSUMER IN THE MARKET

2017-18 2021-22

Marks : 100

OBJECTIVES

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

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

UNIT-II

2. Contemporary Economic Environment :
 - Introduction of market : Meanings, definition, characteristics types.
 - Changing business environment - Telemarkets, global, e-business and e-commerce.

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**M.Sc. (Home Science)
RESOURCE MANAGEMENT
Semester - II
Paper - III
ENVIRONMENTAL MANAGEMENT
2017-18 2021-22**

M.M. 100

OBJECTIVES :

- To be aware of the holistic ecological approaches to environment.
- To be aware of the environmental problem, hazard 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 :
 - Definition of environment, scope of environment studies.
 - Components of environment - Atmosphere, Lithosphere, Hydrosphere.
 - Physio - chemical factors in environment.
2. Ecosystem - Earth, Man & Environment :
 - Concept of Ecosystem.
 - Structure of Ecosystem- Abiotic (non living and Biotic living) components.

UNIT - II

3. Population and Environment
 - Population growth.
 - Impact of population growth on economic development and environment.
4. Environment management :
 - Concept of environment management
 - Need for environment management.
 - Aspects of environment management.
 - Environment consciousness and public awareness.
 - Environment education.
 - Improvement of production technology.
 - Development of scientific and intellectual efficiency.
 - Regulation of socio-cultural aspects.
 - Resource management.

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UNIT - III

5. Air pollution -
 - Definition, sources and effects of air pollution.
 - Measure to control air pollution
6. Water pollution
 - Definition and sources of water pollution.
 - Harmful effects of water pollution.
 - Remedies to control water pollution.
7. Noise pollution -
 - Sources of noise pollution.
 - Harmful effects of noise pollution.
 - Control of noise pollution.

UNIT - IV

1. Forest conservation :
 - Importance of forests.
 - Deforestation and bad effects of deforestation.
 - Poorest conservation.
 - Chipko Aandolan.
2. Wildlife conservation -
 - Importance of wildlife.
 - Importance of biodiversity.
 - Conservation of wildlife.

UNIT - V

1. Waste management -
 - Sources and types of-solid wastes.
 - Effects of solid waste pollution and its management.
2. Environmental Legislation (in brief) -
 - The water (prevention and control of pollution) Act, 1974.
 - The Air (prevention and control of pollution) Act, 1981.
 - The Environment Act, 1986.

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RESOURCE MANAGEMENT
SEMESTER - II
PAPER - IV
STATISTICS & COMPUTER APPLICATION
2017-18 201-22

Marks : 100

OBJECTIVES

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

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

UNIT-I

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

UNIT-II

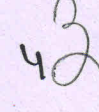
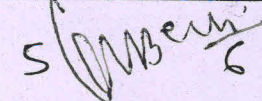

- Normal distribution - Characteristics, deviation from normality.
- Measures of variability - range quartile deviation, Mean deviation, Standard deviation or SD.

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. Differences 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

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UNIT-V

- Experimental designs - nature, types - single group-two group, control & experimental group.
- Randomized block design.
- Latin square design.
- Factorial design.

Practical

Statistics and complication application

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Total Marks: 50

PRACTICAL

STATISTICS & COMPUTER APPLICATION

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: Student should be given hand on experience to use appropriate software packages for selected statistical analyses.

Reference :

- Garrett, Henery 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 Mathematics statistics

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