

8

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 - I

Paper - I

THEORY OF MANAGEMENT

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

M.M. 100

OBJECTIVES :

- To understand the significance of management in the micro and macro level organization.
- To know the conceptual, human and scientific aspects of management funds CLS.
- 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 till 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
 - House old.
 - Education.

UNIT - II

2. Management as system -
 - Definition
 - Elements
 - Types

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- 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, principles, recruitment, appraisal.
 - Guiding, directing, leadership, motivation, communication.
 - Controlling, tools for management control, feedback.
 - Appraisal/evaluation - Tools and techniques.

UNIT - IV

- 6. Human Behaviour in organizations :
 - Personality, attitudes, motivating factors.
 - Group behaviour and dynamics.
 - Team management.
 - Stress and Conflict management.

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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.

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Semester- I

Paper - II

ERGONOMICS

2018-19 2021-22

UNIT - I

1. What is Ergonomics Importance of Ergonomics.
2. Effect of wrong postures on cardio vascular and muscular skeleton system.
3. Correct techniques of lifting and carrying weights.
4. Work centers.

UNIT - II

1. Indoor Climate
2. Heat
3. Thermal regulation of the body at rest and during work.
4. Muscular system :
Types of muscles, structure of muscles, function of muscles.
Physiological factors involved in muscular work.
Energy requirement for muscular work & efficiency.

UNIT - III

1. Factors responsible for exchange of heat between body and during work.
2. Environment.
3. Effect of noise. General properties of noise.
4. Energy, energy expenditure for different activities.
5. Classification of efforts used in Household activities.
6. Thermal comfort.
7. Work - Load
8. Types of fatigue.

UNIT - IV

1. Vibration and effects on body parts during work with vibrating tools.
2. Lighting and colours.

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3 Khatar

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6 B. B.

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3. Safety and circulation.
4. Circulation Meaning, need, types.
5. Techniques.
6. Anthropometry and Biomachnics.

UNIT - V

1. Safety-Meaning, importance, types.
2. Causes of accidents
3. Precaution of accidents.

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Semester - I
 Paper - III
LANDSCAPING
~~20-18-19~~ 2021-22

M.M. 100

OBJECTIVES :

- To study and to understand and 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.
 - Historical references of landscape.
 - Objective of landscape gardening.
 - (i) Functionalism (ii) Esthetic.
 - Division of space according to use -
 - For ground area - (i) The side walk (ii) The drive way
2. Private area or living area.
 - Poarches
 - Terrace or Patio.
 - Pool
 - Play space for children.
3. Service area or utility area
 - Garage
 - Vegetable garden.
 - The drying area.
 - Space for keeping garden foods.
 - Space for dumping garbage.

UNIT - II

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

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UNIT - III

1. Layout of front garden. The landscape Plan -
 - Preparation of Lawn.
 - Flower beds, plantings flowers, Kind of flowers.
2. Tree, Shurbs.
3. Water garden, Rock garden.
4. Hedges.
5. Garden Paths.

UNIT - IV

1. Garden Furniture.
 - 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.

PRACTICAL

1. Designing of Partly outdoor landscape garden
2. Designing of terrace/Roof garden
3. Lavout of front garden

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Paper - IV

RESEARCH METHODS AND STATISTICS

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

Objectives :

- To understand the significance of statistics and research methodology in Home Science Research.
- To understand stand the types tools, methods of research and develop the ... to construct data gathering instrument appropriate to the research design
- To understand and apply the appropriate statistical technique for the measurement and design.



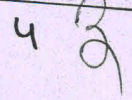
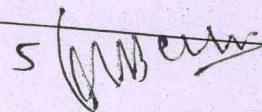
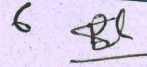
Contents:

UNIT - I

- Research : Meaning objectives and significance of research.
- Science, scientific methods, scientific approach.
- Role of statics and research in Home Science discipline.
- Types of research: Historical, descriptive, experimental, case study, social research, observation research.

UNIT - II

- Definition and identification of a Research Problem.
- Selection, justification and limitation of research problem.
- Hypothesis - meaning, nature, characteristics, types & functions of hypothesis
- Variables : Meaning, nature, types & selection of variables.

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UNIT - III

- Sampling methods
- Probability & 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 & Demerits Sampling.

UNIT - IV

Research Design

- Meaning, features concept & purpose of research design.

Qualitative research Method

- Definition Theory design types reliability & validity of :-
 - i. Case study
 - ii. Interview
 - iii. Observation

UNIT - V

Quantitative research method

- Definition Theory design types reliability & validity of :-
 - i. Social metric scale
 - ii. Questionnaire
 - iii. Schedule
- Writing a research report
- Experimental Group
- Randomized block design
- Latin square design
- Factorial design

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