

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT PROFESSOR IN HOME SCIENCE (HOME MANAGEMENT) FOR COLLEGE EDUCATION DEPARTMENT

PAPER-II

UNIT-I: HOUSING AND INTERIOR DESIGNING-

1. Selection of site for housing
2. Building Components - foundation, walls, floors, ceilings, doors & windows.
3. Housing & Environment: Building materials and their impact on the environment, green rating systems, energy efficiency in buildings, energy auditing and indices of indoor comfort.
4. Building Regulations: Norms and standards, zoning, housing for special groups and areas and housing finance.
5. Space Planning & Design- Housing need, principles of planning spaces, types of house plans, economy in construction, planning for different income groups.
6. Housing problems in India & Role of Government in solving them.
7. Design Fundamentals: Elements of art, principles of design & composition.
8. Colour: Dimensions of colour, psychological effects of colour, colour schemes, factors affecting the use of colour.
9. Wall, Floor and Windows- Types and Treatment.
10. Accessories in Interior Decoration.

UNIT-II: ERGONOMICS-

1. Ergonomics: Significance, scope
2. Components of work input
 - Affective: Liked and disliked activities, goal character of work. Attitude and Interest.
 - Cognitive - Knowledge, skills, thinking and attention.
 - Temporal - Control of time, time allocation,
 - Physical - Fatigue, Body Mechanics.
3. Man-Machine - Environment system.
4. Anthropometry and Bio-Mechanics.
5. Designing work and work places- Functional design, center concept and their arrangement.
6. Method of measuring physical cost of work and factors affecting the physiological cost of work.
7. After Occupational health hazards.
8. Body posture.
9. Computer work station design.
10. Musculoskeletal Disorders: Risk factors and Remedies.

UNIT-III: COMMUNITY RESOURCE MANAGEMENT-

1. Role of Science and Technology in Women's Development.
2. Identification and Dissemination of appropriate technology for rural & urban communities. Health and sanitation, Housing, Income generation, Drudgery Reduction, Fuel conservation.
3. Women Entrepreneurship - Concept and its importance. Small scale industries and women entrepreneurship.
4. Entrepreneurship Development Programmes.
5. Role of Financial Institutions in motivating women entrepreneurship.
6. Qualities of a Good Entrepreneur- Innovative, Risk taking, Confidence, Problem Solving, Motivational factors.
7. Financial input and management of an entrepreneur.

Note:- **Pattern of Question Paper**

1. **Objective type paper**
2. **Maximum Marks : 75**
3. **Number of Questions : 150**
4. **Duration of Paper : Three Hours**
5. **All questions carry equal marks.**
6. **Medium of Competitive Exam : Bilingual in English & Hindi**
7. **There will be Negative Marking.**