

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR EXAMINATION FOR THE POST OF LECTURER IN

HOME SCIENCE

(SCHOOL EDUCATION)

PAPER-II

1. Knowledge of Subject concerned : Senior Secondary Level

- Home Science - Education meaning, definition, scope, objectives and history.
- Changing concept of different areas of Home Science.
- Definition, functions and classification of foods.
- Nutrients and their composition, sources and functions.
- Balanced Diet.
- Methods of cooking.
- Home Management definition.
- Motivating Factors- value, goals and standard.
- Resources- classification and characteristics.
- Income- definition, meaning and types.
- Budget- steps.
- Saving and Investment
- Fibre- types and properties- Natural and Man-Made
- Yarn construction
- Weaving- types.
- General principles of clothing construction
- Definition of Child Development, Human Development
- Scope of Human Development.
- Principles of growth and Development.
- Role of Heredity and environment.
- Life span stages.
- Types of Development
- Definition of Developmental tasks and different tasks, different stages of human development.
- Characteristics of different age groups and their physiological and behavioral problems.
- Meaning, concepts and scope of special education and classification of children with special needs.

2. Knowledge of Subject concerned : Graduation Level

- Changing concepts of Home Science.
- Areas of Home Science- objectives and scope of each area.

- Professional organizations and Research Institutes, contributing to different areas of Home Science.
- Formal, Non-formal and Informal education.
- Programme planning, Implementation and Evaluation.
- Government and NGO's Development Programmes.
- Meaning, definition, principles and basic elements of extension education.
- Extension teaching methods.
- Communication concepts and meanings.
- Different types of communication Aids.
- Nutrients- their composition and sources.
- Recommended dietary allowances and deficiencies.
- Nutritive value of important cereals, pulses, vegetables, fruits, milk and milk products, eggs, meat and fish.
- Methods of cooking- their effects on nutrients and methods of enhancing the nutrients value of foods.
- Selection, purchase and storage of foods.
- Food spoilage.
- Food preservation- importance, principles and methods.
- Food adulteration- causes, identification, preventive and control measures , food laws and standards, labels, etc.
- Changing trends in food consumption- fast foods, junk foods etc.
- Nutritional status- concept, assessment methods.
- Principles of meal planning.
- Diets of normal individual of different ages, sex, profession and physiological condition.(Pregnant and lactation)
- Dietary management during different diseases.
- Concept and type of community health and community nutrition.
- Nutrition problems of community and implication for public health.
- Current situation in India.
- Nutritional Assessment and Surveillance.
- Nutrition and health communication.
- Management Process- Planning, controlling and evaluation.
- Decision Making.
- Management of Resources- Time, money and energy.
- Work simplification- meaning, importance and its application in various household activities.
- Introduction of foundation of art- design, elements and principle of design.
- House planning/space designing.
- Selection and types of furniture and furnishing.
- Financial and legal consideration- availability of funds for having housing.
- Interior designing and Principles of arrangements.

- Definition, meaning and need of consumer.
- Market, consumer education methods, contents and sources.
- Consumer Aids and consumer protection.
- Taxation- need, types, effect of tax on work and saving.
- Wills and trusts.
- Early identification, treatment, prevention and rehabilitation of each category of children with special needs.
- Meaning, importance and objectives of Early Childhood care and Education.
- Different types of Early Childhood Care and Education Centers.
- Meaning and concept of developmentally appropriate programme/practice (DAP). Planning, Implementation and Evaluation of Early Childhood Programme.
- Concept of adolescent and adolescence stage and problems of adolescence stage.
- Meaning and definition of marriage, types and functions of marriage, factors of mate selection.
- Meaning and definition of family, types of family
- Population education and dynamics.
- Yarn making, weaving and other methods of fabric construction and their effect on appearance, durability and maintenance of garments.
- Different types of finishes.
- Selection, care and storage of different types of clothes including readymade garments.
- Importance of clothing, social and psychological aspects of clothing.
- Functions of clothing construction drafting and making of paper patterns.
- Body measurement- importance of taking body measurements and its relation to sizes and different types of garments.
- Preparation of fabric cutting- layout, pinning, marking and cutting.
- Wardrobe planning.
- Selection of fabrics and garments for adolescent, men and women.
- Selection and buying fabrics for various users.
- Elements, principles of design in clothing.
- Traditional Textile of India.
- Fashion Terminology and fashion cycle.

3. Knowledge of Subject Concerned : PG Level

- Extension Management and Administration.
- Extension Programme Management
- Adoption and Different of Homestead technologies.
- Participating Extension Approaches – RRA, PRA and PLA.
- Participating Communication.
- Extension Planning methods.
- Communication Strategy.
- Print and Oral Communication.

- Women Empowerment.
- Entrepreneurship.
- Different methods of enhancing the nutritive value of foods – fortification.
- Food adulteration – causes, identification preventive and control measures.
- Inter-relationship of agriculture, food, nutrition, health and population.
- Energy needs, basal metabolism and total energy requirement.
- Digestion, absorption and utilization of major nutrients.
- Nutritional Status.
- Nutritional problems in the country with special references to Rajasthan Nutrition Intervention.
- Dietary management during different diseases.
- Nutrition Policy in India.
- Nutrition Problems of community and implication for public health.
- Different organizations / Programmes working for children with special needs.
- Administration and Supervision of Early Childhood Care and Education Centres / institutes.
- Need of Guidance and Counseling at each life span stage of development.
- Marital adjustment, legal aspects of marriage. Role of mother and father in the family. Functions (Traditional and Modern) of the family and factors affecting family functions.
- Meaning and stages of family life-cycle.
- Family welfare organizations (Government and Non Government) in India.
- Parenting Styles and impact of these styles on the children.
- Family planning measures, Reproductive Health.
- Family disorganization.
- Factors influencing residential planning.
- Space designing according to various activities and family needs.
- Kitchen – Types and Storage ergonomics.
- Illumination – purpose, Types, Lightening – types – unit of measurement, glare, Fixtures – types & selection.
- Furniture – types & selection.
- Furnishing & accessories - types & selection.
- Work ergonomics – Meaning & Concept.
- Work Physiology – Introduction, definition & types of work static and dynamic.
- Physiological factors influencing.
- Working environment.
- Fashion terminology, sources, fashion cycle and season.
- Factors favouring of fashion cycle and season, Consumer demand and fashion marketing and fashion change.
- Paper pattern – basic designing
- Draping
- Readymade Garment need and Criteria.
- Future trends in fashion technology.

- Dyes and their effects.

Part – IV (Educational Psychology, Pedagogy, Teaching Learning Material, Use of computers and Information Technology in Teaching Learning)

1. Importance of Psychology in Teaching-Learning :
 - Learner,
 - Teacher,
 - Teaching-learning process,
 - School effectiveness.
2. Development of Learner
 - Cognitive, Physical, Social, Emotional and Moral development patterns and characteristics among adolescent learner.
3. Teaching – Learning :
 - Concept, Behavioural, Cognitive and constructivist principles of learning and its implication for senior secondary students.
 - Learning characteristics of adolescent and its implication for teaching.
4. Managing Adolescent Learner :
 - Concept of mental health and adjustment problems.
 - Emotional Intelligence and its implication for mental health of adolescent.
 - Use of guidance techniques for nurturing mental health of adolescent.
5. Instructional Strategies for Adolescent Learner :
 - Communication skills and its use.
 - Preparation and use of teaching-learning material during teaching.
 - Different teaching approaches:
 - Teaching models- Advance organizer, Scientific enquiry, Information, processing, cooperative learning.
 - Constructivist principles based Teaching.
6. ICT Pedagogy Integration :
 - Concept of ICT.
 - Concept of hardware and software.
 - System approach to instruction.
 - Computer assisted learning.
 - Computer aided instruction.
 - Factors facilitating ICT pedagogy integration.

Paper – II Subject Concerned

Duration : 3 Hour

S.No.	Subject	No. of Questions	Total Marks
1	Knowledge of Subject Concerned : Senior Secondary Level	55	110
2	Knowledge of Subject Concerned : Graduation Level	55	110
3	Knowledge of Subject Concerned : Post Graduation Level	10	20
4	Educational Psychology, Pedagogy, Teaching Learning Material, Use of Computers and Information Technology in Teaching Learning.	30	60
Total		150	300
Note : 1 All the question in the Paper shall be Multiple Choice Type Question.			
2 Negative marking shall be applicable in the evaluation of answers. For every wrong answer one-third of the marks prescribed for that particular question shall be deducted. Explanation : Wrong answer shall mean an incorrect answer or multiple answer.			