

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR SCREENING TEST FOR THE POST OF LECTURER (RACHANA SHARIR) AYURVED AND INDIAN MEDICINE DEPARTMENT

PART-A

General Knowledge of Rajasthan

Culture & Heritage of Rajasthan:-

1. Dietary Practices of Rajasthan:
 - 1.1 Indigenous food- Cereal and millets, fruits and vegetables, food of various regions.
 - 1.2 Seasonal dietary practices, festivals and their Ayurvedic rationale.
 - 1.3 Tradition of fasting and *Upvas*.
2. Crops of Rajasthan:
 - 2.1 Evidence of Crop production in Pre-Historic sites of Rajasthan.
 - 2.2 Evidence of Crop production in Ancient and Medieval Rajasthan.
3. Minerals of Rajasthan- Evidence of knowledge of minerals in Ancient and Medieval Rajasthan.
4. Medicinal Herbs of Rajasthan.
5. Society of Rajasthan:
 - 5.1 Traditions, dress and ornaments, fairs & festivals.
 - 5.2 Folk and Tribal Society: Fairs and festival, social customs, social life and beliefs.
6. Making of Modern Rajasthan:
 - 6.1 Political and social awakening in 19th century.
 - 6.2 Peasant movements, tribal movements and *Prajamandal* movements in 20th century. Integration of Rajasthan.

Geography of Rajasthan:-

Broad Physical Features: Mountains, Plateaus, Plains and Deserts; Major Rivers and Lakes; Climatic Characteristics; Major Soil types and their distribution; Vegetation types and their distribution; Agricultural types; Livestock; Demographic Characteristics.

Total Questions 30

PART-B

1. Basic of Sharir
 - Basic meaning, terms related to Sharir.
 - Concept of sharir, chetana, shadang sharir and anga-pratyanga vibhaga.
 - Details about avyavakta, mahat, ahamkara tatva.
 - Concept of purusha and its classification as per dhatubheda constitution.
 - Description of sharir as per its panchamhabhuta and triguna aspects.
 - Details and methods of preservation of cadaver as per Sushruta samhita and contemporary science, advancement methodology of organ preservation (luminal and plastination techniques), relevance of virtual dissection.
2. Garbha Sharir
 - Concepts of garbha formation, garbha sambhav samagri and garbha-uttpatti kar bhava.
 - Detail description about shukra and shonita.
 - Concept of garbha poshan and details of garbha vrudhikar bhava (Shadavidbhava).
 - Details about garbha vyapada and garbha vikrutikar bhava.
 - Masanumasik vrudhhi as per ayurveda and contemporary science.
 - Concepts of linga vinischaya.
 - Concepts of anga-pratyanga nivrutti.
 - Basic facts about beeja, beejabhaga and beejabhagavayava and related facts of genetics and teratology as per contemporary sciences.
 - Details of basic embryology (fertilization, implantation, morulation, blastulation, gastrulation, neurulation, placenta formation, fetal circulation).
 - Systemic embryologic: Basic details of development of respiratory organs, digestive organs, cardiovascular organ, brain, spinal cord, kidney.
3. Pramana Sharir: Anguli pramana (anga-pratyanga anguli pramana).
4. Sharir Samkhya Vyakarana:
 - Details and enumeration of kurcha, kandara, jala, asthisamghat, seemanta, seevani, rajju and its applied aspects.
 - Details and enumeration of asthi avayava, sandhi avayava, peshi avayava, snayu avayava, kala, twacha, sira, dhamani and its applied aspects.
 - Fundamentals of sira vedhedhana and details of avedhya sira.
 - Detail aspects of strotas sharir and its applied aspects.
5. Marma Sharir: Definition, number, location, classification, clinical importance with viddha lakshana of individual marma. Concept of trimarma and mahamarma.
6. Definition of kostha, ashaya and enumeration of koshtanga.
7. Indriya Sharir
 - Definition of indriya, indriya artha and indriya adhisthan.
 - Description of gyanendria and karmendriya.
 - Details about ubhayendriya.
8. Uttamangiya Sharir
 - Basic concept of shatchakra and trividhnadi (Ida, pingala and sushumna nadi).
9. Basics of Anatomy:
 - Terminologies, planes and positions.

- Details about basic types of tissue (histological aspects of viscera).
10. Systemic anatomy:
 - Structure details about respiratory system: respiratory tract, Bronchial tree, lungs and its covering with their clinical aspects.
 - Details about digestive system: Organs of digestive tract with their clinical aspects.
 - Structural details about cardiovascular system: Heart and its covering, major arteries and its branches, major veins and its tributaries with their clinical aspects.
 - Structural details about Excretory System: kidney, ureter, urinary bladder and urethra with their clinical aspects.
 - Reproductive system: Male and Female reproductive organs, tract and glands with their clinical aspects.
 - Details and classification of endocrine glands with their clinical aspects.
 - Details and classification of neuron cell, neuroglia, description of brain, spinal cord, ascending & descending pathways, homunculus, meninges, ventricular system of brain, dural venous sinuses, circulation of cerebro-spinal fluid, peripheral nerves and plexuses, Structural formation of autonomic nervous system, blood supply of brain and spinal cord.
 - Structural Details and classification of joints with their clinical aspects.
 - Description, classification, muscles attachments of bones of axial and appendicular skeletal system.
 - Lymphatic system: Basics of lymph glands, vessels with their clinical aspects.
 11. Description about five sensory organs with their applied aspects.
 12. Surface and radiological anatomy: Basics about imaging techniques of color contrast, surface landmarks of six regions with their clinical importance.
 13. Details about Biomedical waste managements.
 14. Rajasthan Anatomy Act.
 15. Basics of Research Methodology.
 - Observational and Interventional studies, descriptive & analytical studies, longitudinal & cross sectional studies prospective & retrospective studies, cohort studies, randomized controlled Trials & their types, single case design, case control studies, black box design, cross-over design & factorial design, quantitative and qualitative data.
 - Survey studies.
 - Phases of clinical studies 0,1,2,3 & 4.
 - Manuscripts: basic details and preservation methods.

Total Questions 120

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Pattern of Question Paper:

1. Objective Type Paper
 2. Maximum Marks : 300
 3. Number of Questions : 150
 4. Duration of Paper : 2:30 Hours
 5. All Questions carry equal marks
 6. Medium of Screening Test: Bilingual in English & Hindi
 7. There will be Negative Marking
- (For every wrong answer, one-third of marks prescribed for that particular question will be deducted).*