RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS OF SCREENING TEST FOR THE POST OF SENIOR DEMONSTRATOR – ANATOMY
MEDICAL EDUCATION DEPARTMENT

Unit –I
General Anatomy
Anatomical Terminology - Anatomical position, Terms of Position & movement.
Skin & Fascia – Different types of skin, Dermatomes in body, Skin appendages & Skin Incisions. Superficial fascia, Deep fascia & its modifications.
Muscle – Classification of muscles, Differentiate between Tendons & aponeurosi, Shunt & Spurt muscle.
Bones & joints – Classification & Ossification of Bones, Various types of cartilage, Classification of Joints.
Glands – Exocrine & Endocrine glands- classification & function, Vascular & Lymphatic system – General features of arteries, Veins, lymphatics, portal system, arterial anastomoses, Define thrombosis, infarction & aneurysm.

Unit- II
Osteology – Structure, attachment, relations, ossification, age changes & blood supply of all bones & cartilages.

Unit- III
Myology – Attachment, action, nerve supply & vascular supply, relation of important muscles.

Unit –IV
Arthology – Structure, relation, movements, Vascular, nerve supply & applied anatomy of joints.

Unit –V
Cardio-Vascular & lymphatic System – Pericardium, External & Internal features of all the chambers of Heart, Blood supply, Nerve Supply, Fibrous Skeleton & Anatomical Basis of Ischemic Heart Disease, Lymphatic Drainage of all parts & organs of the body. Position & Relations of various groups of lymph-nodes. Major lymph vessels of the body.
**Unit- VI**  
**Neuroanatomy** – Meanings of Brain & Spinal cord. Formation & Circulation of Cerebrospinal fluid, External & Internal features of all Subdivisions of Brain. Cortical & nuclear connections, Ventricles & cisterns, Commissures, Blood supply of Brain, Cranial nerves- Functional components, nuclei, course, relations, branches, distribution & applied aspects, Spinal nerves, Tracts of Spinal cord.

**Unit- VII**  
**Special Senses** – Anatomy of peripheral receptors of Taste, Smell, Vision, Hearing & Touch and their central connections, pathways functions & applied aspect.

**Unit- VIII**  
**Splanchnology** – Gross Anatomy of all visceras & organs including – Respiratory, Digestive, Urogenital, lymphoid organs, Endocrine & Exocrine glands.

**Unit- IX**  

**Unit-X**  
**Microanatomy** – Microscope – Types & parts, Study of histological features of all the cells, tissues & organs of the body.

**Unit- XI**  
**Applied Anatomy**- Related to Surgery, medicine, Obstetric & Gynaecology and ophthalmology branches of medical science.

**Unit- XII**  
**Functional Anatomy** – Relationship of structures & function in respect to various Tissues & organs of the body.

**Unit- XIII**  
**Living Anatomy** – Surface Anatomy, Understanding the principles of newer Imaging Techniques and Interpretation of CT, MRI and Endoscopic Anatomy.

**Unit- XIV**  
**Sectional Anatomy** – Cross / Sagittal / Coronal Sections of Brain, Head & neck, Thorax, Abdomen, Pelvis & Limbs to understand inter-relation of organs & interpretation with CT & MRI.
Unit- XV

Unit- XVI
Recent Advances- Basic knowledge of Plastination.

Unit- XVII
Radio Diagnosis - Identification of Plain X-rays, special radiographic procedures and Arteriography.

Unit-XVIII
Embalming and Body / Organ donation – Basic knowledge.

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Note:- Pattern of Question Paper
1. Objective type paper.
2. Maximum Marks : 180
3. Number of Questions : 180
4. Duration of Paper : Three Hours.
5. All questions carry equal marks.
6. There will be Negative marking.

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