

# RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

## SYLLABUS OF SCREENING TEST FOR THE POST OF ASSISTANT PROFESSOR – ORTHOPAEDICS MEDICAL EDUCATION DEPARTMENT

- 1 Applied and Basic Medical Sciences including Anatomy, Physiology, Biochemistry, Pharmacology, Pathology and Microbiology in relation to orthopaedics.
- 2 BONE & JOINT - Infections (Pyogenic, Tuberculosis, syphilis, mycotic, Salmonella, Brucella etc.)
- 3 CONGENITAL DEFORMITIES - Diagnosis, investigations and Treatment of Upper and Lower limbs, Spine General Defects and Developmental defects.
- 4 TRAUMATOLOGY in general and in reference to Locomotor system.
- 5 Principles of Treatment in Trauma.
- 6 Diseases and injuries of spine.
- 7 Metabolic Bone Disorders.
- 8 Bone Tumours in orthopaedics. Recent trends in limb salvage and chemo and radiotherapy.
- 9 Peripheral Nerve Injuries, Compartment syndrome.
- 10 Neuro-Muscular Diseases Poliomyelitis and Cerebral Palsy.
- 11 Physical Medicine and Rehabilitation including occupational Therapy, Electro-diagnosis, Electromyography. Total concept of Prosthesis and Orthotics Physical disability assessment.
- 12 Autoimmune Bone and Joint Disorders like Rheumatoid Arthritis, Ankylosing Spondylitis, etc.
- 13 Amputations & Disarticulations through Bones & Joints of Limbs.
- 14 Degenerative disorders of the Extremities like Osteoarthritis of Hip & Knee Joints and Spine (Diagnosis and Management).
- 15 **Recent Advances** : Arthroscopic Surgery, Joint Replacement, Spine Surgery, CT Scan, MRI, Bone Scan, PET Scan, Bone Bank.

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### Pattern of Question Papers:

1. Objective Type Paper
2. Maximum Marks : 100
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All Questions carry equal marks
6. There will be Negative Marking

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