

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS FOR SCREENING TEST FOR THE POST OF ASSISTANT PROFESSOR (Broad Speciality) DERMATOLOGY, VENEREOLOGY & LEPROSY MEDICAL EDUCATION DEPARTMENT**

### **Unit I**

History, Structure and Function of the Skin, Histopathology of the Skin : General Principles, Diagnosis of Skin Disease, Epidemiology of Skin Disease, Genetics and the Skin, Inflammation, Immunology and Allergy, Photobiology, Cutaneous Response to Injury and Wound Healing, Psychological and Social Impact of Long-term Dermatological Conditions, Adverse Immunological Reactions to Drugs, Topical Drug Delivery, Clinical Pharmacology.

### **Unit II**

Principles of Holistic Management of Skin Disease, Principles of Measurement and Assessment in Dermatology, Principles of Evidence-based Dermatology, Principles of Topical Therapy, Principles of Systemic Therapy, Principles of Skin Surgery, Principles of Phototherapy, Principles of Photodynamic Therapy, Principles of Cutaneous Laser Therapy, Principles of Radiotherapy.

### **Unit III**

Viral Infections, Bacterial Infections, Mycobacterial Infections, Leprosy, Syphilis and Congenital Syphilis, Other Sexually Transmitted Bacterial Diseases, HIV and the Skin, Fungal Infections, Parasitic Diseases, Arthropods.

### **Unit IV**

Psoriasis and Related Disorders, Pityriasis Rubra Pilaris, Lichen Planus and Lichenoid Disorders, Graft-versus-host Disease, Eczematous Disorders, Seborrhoeic Dermatitis, Atopic Eczema, Urticaria, Recurrent Angio-oedema without Weals, Urticarial Vasculitis, Autoinflammatory Diseases Presenting in the Skin, Mastocytosis, Reactive Inflammatory Erythemas, Adamantiades–Behçet Disease, Neutrophilic Dermatoses, Immunobullous Diseases, Lupus Erythematosus, Antiphospholipid Syndrome, Dermatomyositis, Mixed Connective Tissue Disease, Dermatological Manifestations of Rheumatoid Disease, Systemic Sclerosis, Morphoea and Allied Scarring and Sclerosing Inflammatory Dermatoses.

## **Unit V**

Cutaneous Amyloidoses, Cutaneous Mucinoses, Cutaneous Porphyrias, Calcification of the Skin and Subcutaneous Tissue, Xanthomas and Abnormalities of Lipid Metabolism and Storage, Nutritional Disorders Affecting the Skin, Skin Disorders in Diabetes Mellitus.

## **Unit VI**

Inherited Disorders of Carnification, Inherited Acantholytic Disorders, Ectodermal Dysplasias, Inherited Hair Disorders, Genetic Defects of Nails and Nail Growth, Genetic Disorders of Pigmentation, Genetic Blistering Diseases, Genetic Disorders of Collagen, Elastin and Dermal Matrix, Disorders Affecting Cutaneous Vasculature, Genetic Disorders of Adipose Tissue, Congenital Naevi and Other Developmental Abnormalities Affecting the Skin, Chromosomal Disorders, Poikiloderma Syndromes, DNA Repair Disorders with Cutaneous Features, Syndromes with Premature Ageing, Hamartoneoplastic Syndromes, Inherited Metabolic Diseases, Inherited Immuno deficiency.

## **Unit VII**

Pruritus, Prurigo and Lichen Simplex, Mucocutaneous Pain Syndromes, Neurological Conditions Affecting the Skin, Psychodermatology and Psychocutaneous Disease.

## **Unit VIII**

Acquired Disorders of Epidermal Keratinization, Acquired Pigmentary Disorders, Acquired Disorders of Hair, Acne, Rosacea, Hidradenitis Suppurativa, Other Acquired Disorders of the Pilosebaceous Unit, Disorders of the Sweat Glands, Acquired Disorders of the Nails and Nail Unit, Acquired Disorders of Dermal Connective Tissue, Granulomatous Disorders of the Skin, Sarcoidosis, Panniculitis, Other Acquired Disorders of Subcutaneous Fat.

## **Unit IX**

Purpura, Cutaneous Vasculitis, Dermatoses Resulting from Disorders of the Veins and Arteries, Ulceration Resulting from Disorders of the Veins and Arteries, Disorders of the Lymphatic Vessels, Flushing and Blushing.

## **Unit X**

Dermatoses of the Scalp, Dermatoses of the External Ear, Dermatoses of the Eye, Eyelids and Eyebrows, Dermatoses of the Oral Cavity and Lips, Dermatoses of the Male Genitalia, Dermatoses of the Female Genitalia, Dermatoses of Perineal and Perianal Skin, Cutaneous Complications of Stomas and Fistulae, Dermatoses of Pregnancy, Dermatoses of the Neonate, Dermatoses and Haemangiomas of Infancy.

## **Unit XI**

Benign Cutaneous Adverse Reactions to Drugs, Severe Cutaneous Adverse Reactions to Drugs, Cutaneous Side Effects of Chemotherapy and Radiotherapy, Dermatoses Induced by Illicit Drugs, Dermatological Manifestations of Metal Poisoning, Mechanical Injury to the Skin, Pressure Injury and Pressure Ulcers, Cutaneous Reactions to Cold and Heat, Burns and Heat Injury, Cutaneous Photosensitivity Diseases, Allergic Contact Dermatitis, Irritant Contact Dermatitis, Occupational Dermatology, Stings and Bites.

## **Unit XII**

Benign Melanocytic Proliferations and Melanocytic Naevi, Benign Keratinocytic Acanthomas and Proliferations, Cutaneous Cysts, Lymphocytic Infiltrates, Cutaneous Histiocytoses, Soft-tissue Tumours and Tumour-like Conditions, Tumours of Skin Appendages, Kaposi Sarcoma, Cutaneous Lymphomas, Basal Cell Carcinoma, Squamous Cell Carcinoma and its Precursors, Melanoma, Melanoma Clinicopathology Melanoma Surgery Systemic Treatment of Melanoma, Dermoscopy of Melanoma and Naevi, Merkel Cell Carcinoma, Skin Cancer in the Immunocompromised Patient.

## **Unit XIII**

Cutaneous Markers of Internal Malignancy, The Skin and Disorders of the Haematopoietic and Immune Systems, The Skin and Endocrine Disorders, The Skin and Disorders of the Heart, The Skin and Disorders of the Respiratory System, The Skin and Disorders of the Digestive System, The Skin and Disorders of the Kidney and Urinary Tract, The Skin and Disorders of the Musculoskeletal System.

## **Unit XIV**

Skin Ageing, Cosmeceuticals, Soft Tissue Augmentation (Fillers), Aesthetic Uses of Botulinum Toxins, Chemical Peels, Lasers and Energy-based Devices, Platelet rich plasma PRP and PRFM, Autoinoculation.

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Pattern of Question Papers:

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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