

# **RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**

## **SYLLABUS OF SCREENING TEST FOR THE POST OF ASSISTANT PROFESSOR – GENERAL MEDICINE MEDICAL EDUCATION DEPARTMENT**

### **I. APPLIED BASIC MEDICAL SCIENCES IN RELATION TO GENERAL MEDICINE**

#### **A. Cardinal Manifestations and Presentation of Diseases:**

- 1. Pain**
- 2. Thermo regulatory Disorders**
- 3. Nervous System**
- 4. Diseases of Eyes, Ears, Nose and Throat.**
- 5. Cardiovascular System**
- 6. Respiratory System**
- 7. Gastro-intestinal, Hepatobiliary and Pancreatic Systems**
- 8. Renal and Urinary Tract Systems**
- 9. Acid base and Electrolytes Disturbances**
- 10. Endocrinology and Reproductive System**
- 11. Disorders of Bone, Joints and Connective Tissues**
- 12. Skin Diseases**
- 13. Hematologic Disorders**

#### **B. Genetic System and Diseases**

#### **C. Regenerative Medicine**

#### **D. Biology of Aging**

#### **E. Biology of Obesity**

#### **F. Biology of Psychiatric Disorders**

#### **G. Nutrition**

#### **H. Bone and Mineral Metabolism in Health and Disease**

#### **I. Disease Prevention and Health Promotion**

#### **J. Principals of Clinical Pharmacology**

#### **K. Women and Men Health**

#### **L. Medical Disorder of Pregnancy**

#### **M. Palliative and End-of-Life Care**

#### **N. Practice of Family Medicine**

#### **O. Immune system in Health and Disease including Immunotherapy**

#### **P. Telomeres in Health and Disease**

#### **Q. Microbial Genomics**

#### **R. Information Technology in Health Care**

#### **S. Integrative Health Practices**

- T. Basic consideration in Infectious Diseases**
- U. Medical Virology**
- V. Anti-viral Chemotherapy**
- W. Treatment and Prophylaxis of Bacterial Infections**
- X. Laboratory Diagnosis of Bacterial, Viral, Parasitic and other Infections**
- Y. Agents used to treat Parasitic Infections**
- Z. Mechanisms of Hormone Action**
- AA. Basic Biology of Cancer**
- BB. Research Methodologies**
- CC. Basics and Ethics of Clinical Research**
- DD. Medical Evaluation of Surgical Patients**
- EE. Lifestyle Diseases- Approach and Preventive Measures**
- FF. Application of Law in Practice of Medicine**

## **II. PRINCIPLES AND PRACTICE OF INTERNAL MEDICINE INCLUDING THERAPEUTICS AND ALLIED SUBJECTS RELATED TO INTERNAL MEDICINE**

- A. Neoplastic Disorders**
- B. Hematopoietic Disorders**
- C. Disorders of Hemostasis**
- D. Infectious and Tropical Diseases**
  1. Clinical Syndromes- Community acquired infections, health care associated infections
  2. Diseases caused by Gram-positive Bacteria
  3. Diseases caused by Gram-negative Bacteria
  4. Mycobacterial Diseases
  5. Spirochetal Diseases
  6. Diseases caused by Rickettsiae, Mycoplasmas and Chlamydiae
  7. Diseases due to viruses
  8. Fungal Infections
  9. Protozoal and Helminthic Infections
  10. Other Miscellaneous Infections
- E. Medical Terrorism- Microbial, Chemical and Radiation.**
- F. Disorders of the Cardiovascular System.**
- G. Disorders of the Respiratory System**
- H. Critical Care Medicine**
- I. Disorders of Renal System, Acid base and Electrolytes**
- J. Disorders of the Gastrointestinal, Hepatobiliary and Pancreatic Systems**
- K. Immune-Mediated, Inflammatory and Rheumatologic Disorders including disorders of the Joints and Adjacent Tissues**
- L. Endocrinology and Metabolic Disorders**

- M. Reproductive Endocrinology**
- N. Disorders of Intermediary Metabolism**
- O. Disorders of Nervous System**
- P. Psychiatric and Addiction Disorders**
- Q. Poisonings, Drug overdose and Envenomation**
- R. Diseases related to Environment**
- S. Disorders related to Aging (Geriatric)**
- T. Sexually transmitted Diseases**
- U. Skin Diseases in Medical practice**
- V. Chronic Fatigue Syndrome**
- W. Clinical Laboratory in Health Care**
- X. Clinical procedures**
- Y. Sports Medicine**
- Z. Sleep disorders**

### **III. RECENT ADVANCES IN INTERNAL MEDICINE.**

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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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