

Rajasthan Public Service Commission, Ajmer

Syllabus for Screening Test for the post of Sr. Demonstrator-Pharmacology for Medical & Health Department

Minimum Qualification :- M.B.B.S./ M.Sc. (Mad. Pharmacology) for non medical persons.

1. General Pharmacology : Routes of drug administration, Mechanism of drug action in general; Factors modifying dosage and Pharmacological effects of drugs; General principles governing absorption, distribution, metabolism and excretion of drugs, Basic principles and importance of drug- drug interactions.
2. Central Nervous System : Alcohol, General anaesthetics agents, Narcotic and non narcotic analgesics, Drug treatment of rheumatoid arthritis and gout, Hypnosedatives; Antiepileptic, Drug treatment of parkinsonism, Psychopharmacological agents, Anti motion sickness drugs, CNS stimulants, Local anaesthetics, Drug abuse.
3. Autonomic Nervous System : Cholinergic agents, Cholinergic blockers; Adrenergic agents, adrenergic blockers; Skeletal muscles relaxants, Ganglion blocking agents.
4. Cardiovascular System : Cardiotonics; Antiarrhythmics; Antihypertensive agents; Drug treatment of angina pactoris; Hypolipidaemic agents; Drug treatment of shock.
5. Haemopietic System : Haematinics; Coagulants and anti-coagulants; Antiplatelet and fibrinolytic agents.
6. Endocrines : Thyroid and antithroid drug; parathormone and Calcitonin, Insulin and oral hypoglycaemic agents, Corticosteroids; Sex hormones; Oral contraceptives.
7. Gastrointestinal System : Antacids and drug treatment of paptic ulcer; Cathartics; Antiemetics, Antidiarrhocal agents.
8. Diuratics.
9. Autocoids.
10. Histamina and Antihietaminics.
11. Heavy metal antagonists.
12. Drugs acting on the uterus.
13. Drugs acting on respiratory system.
14. Drugs affecting immune response.
15. Systemic anti infective agents;
 - (a) Sulfonamids
 - (b) Antibiotics
 - (c) Chemotherapy of;
 - (i) Amoebiasis
 - (ii) Malaria
 - (iii) Tuber-culosis
 - (iv) Leprosy
 - (v) Sexually transmitted diseases
 - (vi) Malignancy
 - (vii) Halminithiasis
 - (viii) Viral diseases
 - (ix) Urainary tract infection
 - (x) Fungal diseases.

Note :- Pattern of Question Paper

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.