

SYLLABUS OF PHARMACIST

Examination Pattern-

Test Component	Number of Questions	Maximum Marks
Pharmaceutical Sciences, Rasa Shastra, Bhaishajya Kalpana, Pharmacognosy and Pharmacology	40	40
Fundamentals of Ayurveda, Dravyaguna and Basic Medical Sciences	40	40
General Awareness, Hospital Pharmacy, Ethics, Computer Knowledge, Dispensing of prescription and Prescription Reading	20	20
Total	100	100

Nature of Examination-

- Objective Type Multiple Choice Questions (MCQs)

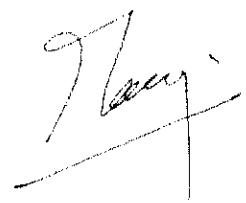
Medium of Examination-

- English and Hindi

DETAILED SYLLABUS:

Section I: Pharmaceutical Sciences, Rasa Shastra, Bhaishajya Kalpana, Pharmacognosy and Pharmacology: 40 Marks

Topic	Subtopics
Rasa Shastra	Parada Samskara, Kajjali, Bhasma, Sindura, Parpati, Kupipakwa Rasayana and safety aspects
Bhaishajya Kalpana	Panchavidha Kashaya Kalpana, Asava-Arishta, Avaleha, Churna, Vati, Taila, Ghrita and formulation basics
Pharmacognosy and Pharmaceutical Biology	Plant morphology and anatomy, crude drugs, microscopy, medicinal plant families, animal origin drugs
Pharmaceutical Chemistry and Analysis	Organic and inorganic chemistry, functional groups, volumetric and gravimetric analysis, quality control methods
Pharmaceutics and Industrial Pharmacy	Physical pharmacy, pharmaceutical engineering, dosage form basics, GMP, GLP and industrial production
Pharmacology, Toxicology and Microbiology	General pharmacology, toxicology, sterility testing, microbiology and infection control
Quality Assurance	Quality standards, raw material testing, finished product evaluation and documentation



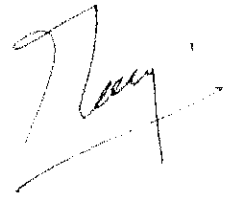
Section II: Fundamentals of Ayurveda, Dravyaguna and Basic Medical Sciences: 40 Marks

Topic	Subtopics
Basic Principles of Ayurveda	Introduction to Ayurveda, objectives of health, fundamental concepts of Tridosha, Dhatu, Mala and Ojas
Ayurvedic Physiology and Pathology	Agni, Ama, Srotas, Dosha-Dhatu-Mala balance, common disorders and basic disease concepts
Dinacharya and Ritucharya	Daily regimen, seasonal regimen, lifestyle measures for health promotion and prevention
Dravyaguna Vigyana	Rasa, Cuna, Virya, Vipaka and Prabhava; identification and therapeutic use of medicinal plants
Medicinal Plants and Drug Basics	Common medicinal plants, parts used, indications, collection, preservation and storage
Basic Human Anatomy and Physiology	Cell, tissues, skeletal system, blood, cardiovascular system, respiratory system, digestive system, endocrine system and nervous system
Basic Biochemistry	Carbohydrates, proteins, fats, enzymes, vitamins and minerals relevant to pharmacy practice

Section III: General Awareness, Hospital Pharmacy, Ethics, Computer Knowledge, Dispensing of prescription and Prescription Reading: 20 Marks

Topic	Subtopics
Jurisprudence and Pharmacy Laws	Drugs and Cosmetics Act, Ayurvedic Pharmacopoeia, legal responsibilities and ethical practice
Hospital Pharmacy Management	Dispensing practices, inventory management, storage, procurement and record keeping
Computer Applications	Computer fundamentals, MS Office, basic electronics and digital documentation
General Science and Awareness	Current affairs, basic science, health awareness and public service knowledge
Dispensing of prescription	Understand procedure of taking in and handing out prescriptions, Explain the concept & process of selection of Prescribed Medicines, Dispensing medications using dispensary and stores, Identify the importance of effective recording, dispensing and describing of prescription, Demonstrate Recording, Describing & Dispensing of Prescription and Bio Medical waste Management

Prescription Reading	Describe the prescription; Recognize the various contents of prescription. Illustrate the various abbreviation that are used in the prescription Explain the process of deciphering a prescription. Identify the importance of recognizing fraudulent prescription, Follow steps to identify non-authentic or fraudulent prescriptions, Describe various ways of reducing potential frauds.
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