

UPSSSC PHARMACIST EXAM PATTERN & SYLLABUS

1. Exam Pattern (Pariksha Yojna)

- **Exam Type:** Written Examination (Single Paper).
- **Question Type:** Objective Multiple-Choice Questions (MCQ).
- **Total Duration:** 2 Hours (120 Minutes).
- **Total Questions:** 100.
- **Total Marks:** 100.
- **Negative Marking:** There is a negative marking of **25% (1/4 marks)** for every wrong answer.

➤ Exam Structure

Part	Subject	Number of Questions	Total Marks	Duration
Part-1	Subject Related Knowledge (Pharmacy)	65	65	120 Minutes (Combined for all parts)
Part-2	Computer & Information Technology Concepts	15	15	
Part-3	General Information related to Uttar Pradesh	20	20	
Total		100	100	

2. Detailed Syllabus (Pathyakram)

Part-1: Subject Related Knowledge (65 Questions / 65 Marks)

Note: The level of questions will be of **Diploma in Pharmacy** standard.

Unit	Topic Details
1. Pharmaceutics	<ul style="list-style-type: none">• Acids, bases and buffers, Antioxidants, Gastrointestinal agents.• Topical Agents, Antimicrobials and Astringents.• Dental Products.• Respiratory stimulants, Expectorants and Emetics.• Antidotes.• Major Intra and Extra cellular electrolytes.• Inorganic official compounds, Radio pharmaceuticals and contrast media.• Quality control of Drugs and pharmaceuticals.• Pharmacognosy tests.
2. Pharmacognosy	<ul style="list-style-type: none">• Laxatives, Cardiotonics, Carminatives & G.I. regulators.• Astringents.

UPSSSC PHARMACIST EXAM PATTERN & SYLLABUS

	<ul style="list-style-type: none"> • Drugs acting on nervous system. • Antihypertensive, Antitussives, Antirheumatics. • Antitumour, Antileprotics. • Antidiabetics, Diuretics. • Antidysenterics, Antiseptics and disinfectants. • Antimalarials, Oxytocics. • Vitamins, Enzymes, Perfumes and flavoring agents.
3. Biochemistry & Clinical Pathology	<ul style="list-style-type: none"> • Introduction to biochemistry. • Carbohydrates, Lipids, Vitamins, Enzymes, Therapeutics.
4. Human Anatomy & Physiology	<ul style="list-style-type: none"> • Scope of Anatomy and physiology. • Elementary tissues, Skeletal System. • Cardiovascular System, Respiratory system. • Urinary System, Muscular System. • Central Nervous System, Sensory Organs. • Digestive System, Endocrine System, Reproductive system.
5. Health Education & Community Pharmacy	<ul style="list-style-type: none"> • Concept of health, Nutrition and health. • First aid. • Environment and health. • Fundamental principles of microbiology. • Communicable diseases (Intestinal infection, Arthropod borne infections, Surface infection, Sexually transmitted diseases). • Non-communicable diseases. • Epidemiology.
6. Pharmaceutical Jurisprudence	<ul style="list-style-type: none"> • Origin and nature of pharmaceutical legislation in India. • Principles and significance of professional Ethics. • Pharmacy Act, 1948. • The Drugs and Cosmetics Act, 1940. • The Drugs and Magic Remedies (Objectionable Advertisement) Act, 1954. • Narcotic Drugs and Psychotropic Substances Act, 1985. • Latest Drugs (Price Control) Order. • Poisons Act 1919 (as amended to date). • Medicinal and Toilet Preparations (Excise Duties) Act, 1955. • Medical Termination of Pregnancy Act, 1971 (as amended to date).
7. Pharmacology & Toxicology	<ul style="list-style-type: none"> • Routes of administration of drugs. • General mechanism of drugs action. • Drugs acting on the central Nervous system. • Drugs acting on respiratory system. • Autocoids. • Cardiovascular drugs. • Drugs affecting renal function. • Hormones and hormone antagonists.

UPSSSC PHARMACIST EXAM PATTERN & SYLLABUS

	<ul style="list-style-type: none">• Drugs acting on digestive system.• Chemotherapy of microbial diseases.• Disinfectants and antiseptics.
8. Drug Store & Business Management	<ul style="list-style-type: none">• Introduction.• Drug House Management.• Sales.• Recruitment and training.• Banking and Finance.
9. Hospital & Clinical Pharmacy	<ul style="list-style-type: none">• Hospital, Hospital Pharmacy.• Drug Distribution system in Hospitals.• Manufacturing (Sterile manufacture, Non-sterile manufacture).• P.T.C. (Pharmacy Therapeutic Committee).• Hospital Formulary system.• Drug Information service.• Surgical dressing.

Part-2: Computer & Information Technology (15 Questions / 15 Marks)

- **History & Introduction:** History, Introduction, and Application of Computer, Information Technology, Internet, and World Wide Web (WWW).
- **Hardware & Software:** General knowledge related to Hardware and Software, Input and Output devices.
- **Connectivity:** Internet Protocol/IP Address.
- **Devices:** IT gadgets and their applications.
- **Communication:** Creation of e-mail ID and use/operation of e-mail.
- **Operation:** Operation of Printer, Tablet, and Mobile.
- **Office Tools:** Important elements of Word Processing (MS-Word) and Excel Processing (MS-Excel).
- **Systems:** Operating System, Social Networking, e-Governance.
- **Digital Finance:** Digital Financial Tools and Applications.
- **Security:** Future Skills and Cyber Security.
- **Advanced Tech:** Technological Development and Innovation in the field of Computer and Information Technology (Artificial Intelligence, Big Data Processing, Deep Learning, Machine Learning, Internet of Things) and **India's achievements in this field.**

Part-3: General Information related to Uttar Pradesh (20 Questions / 20 Marks)

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- **History & Culture:** History of Uttar Pradesh, Culture, Art, Architecture, Festivals, Folk Dances, Literature, Regional Languages, Heritage, Social Customs, and Tourism.
- **Geography:** Geographical Landscape and Environment, Natural Resources, Climate, Soil, Forests, Wildlife, Mines and Minerals.
- **Economy:** Economy, Agriculture, Industry, Business, and Employment.
- **Polity:** Polity and Administration of UP.
- **Current Affairs:** Current Events and achievements of Uttar Pradesh State in various fields.



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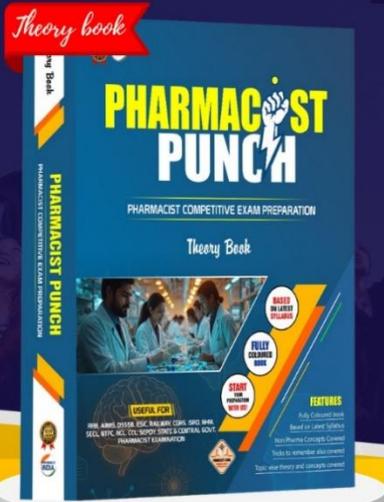
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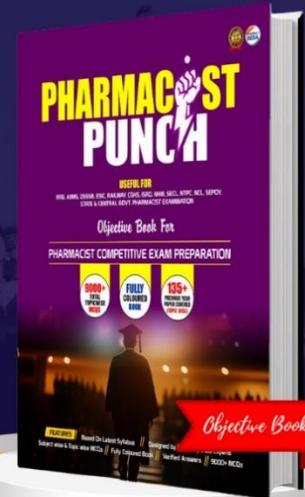
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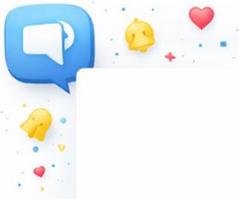
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