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## SBI Pharmacist Syllabus & Exam Pattern

### Exam Pattern

Subject	Question	Marks	Time
General Awareness	25	25	02 Hours
Reasoning	25	25	
Quantitative Aptitude	25	25	
English	25	25	
Professional Knowledge	50	100	
<b>Total</b>	<b>150</b>	<b>200</b>	

**Note** - Negative Marking will be of 1/3 Marks for each wrong answer.

- 1 - The exam will be Computer Based Online Test. परीक्षा कंप्यूटर आधारित ऑनलाइन टेस्ट होगी।
- 2 - Question paper will consist 150 questions. प्रश्न पत्र में 150 प्रश्न होंगे।
- 3 - Question Paper will be consist General Awareness, Reasoning, Quantitative Aptitude, English & Professional Knowledge. प्रश्न पत्र में जनरल अवेयरनेस, रीजनिंग, क्वांटिटेटिव एप्टीट्यूड, इंग्लिश और प्रोफेशनल नॉलेज शामिल होंगे।
- 4 - Question paper will be of total 200 marks. पेपर कुल 200 अंकों का होगा।
- 5 - Time duration of exam will be given 02 Hours. परीक्षा की समय अवधि 02 घंटे दी जाएगी।
- 6 - Negative Marking will be of 1/3 Marks for each wrong answer. प्रत्येक गलत उत्तर के लिए नकारात्मक अंकन 1/3 अंक का होगा।
- 7 - The question paper will be in both English and Hindi. प्रश्न पत्र अंग्रेजी और हिंदी दोनों भाषा में होगा।
- 8 - Candidate who qualified written exam will be called for Personal Interview.

### SBI Pharmacist Syllabus Subject Wise

#### General Awareness

- Current Affairs सामयिकी
- History इतिहास
- Geography भूगोल
- Indian Polity भारतीय राजव्यवस्था
- Economics अर्थशास्त्र
- Constitution संविधान
- Sports खेल
- Art & Culture कला और संस्कृति

Everyday Science विज्ञान

Scientific Research वैज्ञानिक अनुसंधान

National/International Organizations /Institutions etc. राष्ट्रीय / अंतर्राष्ट्रीय संगठन / संस्थाएँ आदि।

### Reasoning

Analogies उपमाएँ

Alphabetical and Number Series वर्णमाला और संख्या श्रृंखला

Coding and Decoding कोडिंग और डिकोडिंग

Mathematical Operations गणितीय संचालन

Relationships रिश्ते

Sylogism युक्तिवाक्य

Jumbling क्रम

Venn Diagram वेन आरेख

Data Interpretation and Sufficiency डेटा इंटरप्रिटेशन और पर्याप्तता

Conclusions and Decision Making निष्कर्ष और निर्णय लेना

Similarities and Differences समानताएं और अंतर

Analytical Reasoning विश्लेषणात्मक तर्क

Classification वर्गीकरण

Directions दिशा

Statement- Arguments and Assumptions etc. कथन- तर्क और मान्यताएँ आदि।

### Quantitative Aptitude

Number Systems संख्या प्रणाली

BODMAS

Decimals दशमलव

Fractions अंश

LCM and HCF

Ratio and Proportions अनुपात और अनुपात

Percentage प्रतिशत

Mensuration मापन

Time and Work समय और काम

Time and Distance समय और दूरी

Simple and Compound Interest सरल और चक्रवृद्धि ब्याज

Profit and Loss लाभ और हानि

Algebra बीजगणित

Geometry and Trigonometry ज्यामिति और त्रिकोणमिति

Elementary Statistics प्राथमिक सांख्यिकी

Square Root वर्गमूल

Age Calculations आयु गणना  
Calendar & Clock कैलेंडर और घड़ी  
Pipes & Cistern. पाइप और टंकी

## English

Reading Comprehension  
Cloze Test  
Para jumbles  
Multiple Meaning / Error Spotting  
Fill in the blanks  
Miscellaneous  
Paragraph Completion  
Synonyms & Antonyms  
One Word Substitution  
Grammar  
Vocabulary  
Spelling Test  
Spotting Errors  
Sentence Improvement

## Subjective

**Pharmaceutics**- :- Introduction of different dosage forms, Metrology, Packaging of pharmaceuticals, Size separation, Mixing and Homogenization, Clarification and Filtration, Extraction and Galenicals, Distillation, Introduction to drying process, Sterilization, Aseptic techniques, Processing of Tablets, Processing of Capsules, Study of immunological products. Prescriptions, Incompatibilities in prescriptions, Posology, Dispensed Medications, Powders, Liquid oral Dosage forms: Monophasic, Biphasic Liquid Dosage Forms: Suspensions, Emulsions, Semi-Solid Dosage Forms: Ointments, Pastes, Jellies, Suppositories and pessaries, Dental and cosmetic preparations, Sterile Dosage forms: Parenteral dosage forms, Sterility testing, Ophthalmic products.

**Pharmaceutical Chemistry**-:- 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, Identification tests for cations and anions.

Introduction to the nomenclature of organic chemical systems, The chemistry of pharmaceutical organic compounds (Antiseptics and Disinfectants, Sulphonamides, Antileprotic Drugs, Anti tubercular Drugs, Antimoebic and Anthelmintic Drugs, Antibiotic, Antifungal agent, Antimalarial Drugs, Tranquilizers, Hypnotics, General, Anaesthetics, Antidepressant Drugs, Adrenergic drugs, Adrenergic antagonist, Cholinergic Antagonists, Diuretic Drugs, Cardiovascular Drugs, Hypoglycemic Agents, Coagulants and Anti coagulants, Local Anaesthetics, Analgesics and Anti pyretics, Non-steroidal anti-inflammatory agents, Diagnostic Agents, Anticonvulsants, cardiac glycosides, Antiarrhythmic, Antihypertensives & Vitamins, Steroidal Drugs, Anti-Neoplastic Drugs.

**Pharmacognosy**-: Definition, history and scope of Pharmacognosy Various systems of classification of drugs and natural origin, Adulteration and drug evaluation, Brief outline of alkaloids, terpenoids, glycosides, volatile oils, tannins and resins, Occurrence, distribution, organoleptic evaluation, chemical constituents including tests wherever applicable and therapeutic efficacy of various drugs, Pharmaceutical aids, Miscellaneous drugs.

**Biochemistry & Clinical Pathology** :- Introduction to biochemistry, Carbohydrates, Lipids, Vitamins, Enzymes, Therapeutics, Introduction to Pathology of blood and urine. Lymphocytes and platelets, their role in health and disease, Erythrocytes.

**Human Anatomy & Physiology** :- 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.

**Health Education & community pharmacy** :- Concept of health, Nutrition and health, First aid, Environment and health, Fundamental principles of microbiology, Communicable diseases, Respiratory infections, Intestinal infection, Arthropod borne infections, Surface infection, Sexually transmitted diseases, Non-communicable diseases, Epidemiology.

**Pharmacology & Toxicology** :- Introduction to pharmacology, Routes of administration of drugs, General mechanism of drugs action, Drugs acting on the central Nervous system, Drugs acting on respiratory system, Autocoids, Cardio vascular drugs, Drugs affecting renal function, Hormones and hormone antagonists, Drugs acting on digestive system, Chemotherapy of microbial diseases, Disinfectants and antiseptics.

**Pharmaceutical Jurisprudence** :- 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 in force. Poisons Act 1919 (as amended to date) Medicinal and Toilet preparations (excise Duties) Act, 1955(as amended to date). Medical Termination of Pregnancy Act, 1971(as amended to date).

#### **Drug store and Business Management :**

Part-I: Commerce- Introduction, Drug House Management, Sales, Recruitment, training, Banking and Finance.

Part-II: Accountancy - Introduction to the accounting concepts and conventions. Double entry book keeping, different kinds of accounts, cashbook, general ledger and trial balance, profit and loss account and balance sheet. Simple techniques of analyzing financial statements. Introduction to budgting.

#### **Hospital & Clinical Pharmacy :**

Part-I: Hospital Pharmacy-Hospital and 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, Application of computers.

Part II: Clinical Pharmacy- Introduction to Clinical pharmacy practice, Modern dispensing aspects, Common daily terminology used in the practice of Medicine. Disease, manifestation and patho-physiology, Physiological parameters with their significance. Drug Interactions, Adverse Drug Reaction, Drugs in Clinical Toxicity, Drug dependences, Bio-availability of drugs.

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