

GSSSB PHARMACIST RECRUITMENT 2025: SYLLABUS

The Gujarat Subordinate Service Selection Board (GSSSB) has announced the recruitment for 128 Junior Pharmacist positions for the year 2025. Aspiring candidates can find a detailed and complete syllabus to aid their preparation for the competitive examination.

The selection process for the Junior Pharmacist role will be based on a single-stage competitive written examination. This exam will be conducted in an objective (MCQ) format, either as a Computer-Based Response Test (CBRT) or an OMR-based test. The question paper will be available in both Gujarati and English.

Exam Pattern

The written examination is divided into two parts, with a total of 200 marks and a duration of 3 hours. Candidates should be aware that there will be a negative marking of 0.25 marks for each incorrect answer. To qualify, candidates must secure a minimum of 40% in each of the two parts separately.

Part	Subject	Marks	Duration
Part A	Reasoning and Quantitative Aptitude	40	3 Hours (Total)
	Gujarati Language and Grammar		
	English Language and Grammar		
Part B	General Knowledge	160	
	Technical (Pharmacy) Subjects		
Total		200	

Detailed Syllabus

Part A: General Aptitude (40 Marks)

This section assesses the candidate's general mental ability, language proficiency, and numerical skills.

1. Reasoning and Quantitative Aptitude:

- Logical Reasoning:** Analogy, classification, series, coding-decoding, blood relations, direction sense, etc.
- Quantitative Aptitude:** Number systems, simplification, HCF & LCM, percentage, average, ratio and proportion, profit and loss, time and work, time and distance, simple and compound interest.

2. Gujarati Language and Grammar:

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- Vocabulary, synonyms, antonyms, grammar (parts of speech, sentence structure), comprehension, and translation of sentences.

3. English Language and Grammar:

- Vocabulary, synonyms, antonyms, grammar (tenses, articles, prepositions, verbs), sentence structure, comprehension, and error correction.

Part B: General Knowledge and Technical Subjects (160 Marks)

This section is heavily weighted towards the candidate's core pharmacy knowledge and general awareness, particularly with a focus on Gujarat.

1. General Knowledge:

- **History and Culture of India and Gujarat:** Major historical events, cultural heritage, and significant movements.
- **Geography of India and Gujarat:** Physical features, climate, rivers, and natural resources.
- **Indian Polity and the Constitution of India:** Key features of the constitution, fundamental rights and duties, and the structure of government.
- **Panchayati Raj:** Structure and functioning of the Panchayati Raj system in Gujarat.
- **Welfare Schemes:** Welfare schemes of the Gujarat State and Union Government.
- **Indian Economy and Planning:** Basic economic concepts, five-year plans, and current economic trends.
- **General Science, Environment, and Information & Communication Technology:** Basic principles of science, environmental issues, and recent developments in IT.
- **Current Affairs:** Regional, national, and international current events of significance.
- **Sports:** Important sporting events, awards, and personalities.

2. Technical (Pharmacy) Subjects:

The syllabus for the technical section will be based on the curriculum of a Diploma or Degree in Pharmacy:

- **Pharmaceutics:**
 - Introduction to different dosage forms
 - Metrology and calculations

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- Packaging of pharmaceuticals
- Size separation and size reduction
- Mixing and homogenization
- Clarification and filtration
- Heat processes
- Distillation
- Introduction to sterilization and aseptic techniques
- Processing of tablets, capsules, and liquid orals
- **Pharmaceutical Chemistry:**
 - Acids, bases, and buffers
 - Antioxidants
 - Gastrointestinal agents
 - Topical agents
 - Dental products
 - Major intra and extracellular electrolytes
 - Radiopharmaceuticals and contrast media
 - Quality control of drugs and pharmaceuticals
- **Pharmacognosy:**
 - Definition, history, and scope of Pharmacognosy
 - Classification of drugs
 - Quality control of crude drugs
 - Study of different categories of drugs of natural origin
- **Human Anatomy and Physiology:**
 - Scope of Anatomy and Physiology
 - Structure of a cell
 - Tissues of the human body

GSSSB PHARMACIST RECRUITMENT 2025: SYLLABUS

- Osseous system (bones)
- Cardiovascular system
- Respiratory system
- Digestive system
- Nervous system
- **Biochemistry and Clinical Pathology:**
 - Introduction to biochemistry
 - Carbohydrates, lipids, and proteins
 - Vitamins and enzymes
 - Introduction to pathology of blood and urine
- **Pharmacology and Toxicology:**
 - Introduction to Pharmacology
 - Routes of administration of drugs
 - General mechanism of drug action
 - Pharmacokinetics and Pharmacodynamics
 - Drugs acting on the central nervous system, autonomic nervous system, and cardiovascular system
 - Chemotherapy and antibiotics
- **Hospital and Clinical Pharmacy:**
 - Hospital Pharmacy: Organization and management
 - The drug distribution system in hospitals
 - Manufacturing in hospitals
 - Clinical Pharmacy: Introduction and scope
 - Modern dispensing aspects
- **Jurisprudence (Pharmaceutical Laws):**
 - Origin and nature of pharmaceutical legislation in India

GSSSB PHARMACIST RECRUITMENT 2025: SYLLABUS

- Pharmacy Act, 1948
- Drugs and Cosmetics Act, 1940 and Rules, 1945
- Narcotic Drugs and Psychotropic Substances Act, 1985
- Drugs and Magic Remedies (Objectionable Advertisement) Act, 1954
- **Drug Store and Business Management:**
 - Introduction to drug store management
 - Types of business organizations
 - Inventory control
 - Sales promotion
 - Recruitment and training of pharmacists

For further details, candidates are advised to refer to the official notification on the GSSSB website.

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