

OSSSC PHARMACIST SYLLABUS 2026

Exam Pattern

PARTICULAR	DETAILS
Question Type	Objective Multiple-Choice Questions
Examination Duration	2 Hours
Marks per Question	1 Mark
Negative Marking	0.25 Mark for each wrong answer
Selection Process	Written Examination and Document Verification

Subject-Wise Pharmacy Syllabus

1. Pharmaceutics-I

- History and development of pharmacy
- Pharmacopoeias and formularies
- Pharmaceutical calculations
- Packaging materials and containers
- Size reduction and size separation
- Mixing, filtration and extraction
- Evaporation, distillation and drying
- Sterilization and aseptic techniques
- Tablets and capsules
- Pharmaceutical aerosols
- Immunological products
- Pharmaceutical water

2. Pharmaceutical Chemistry-I

- Acids, bases and buffers
- Gastrointestinal agents
- Antacids and cathartics
- Protectives and adsorbents
- Topical agents

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- Dental products
- Medicinal gases
- Expectorants and emetics
- Antidotes
- Electrolytes and acid-base balance
- Radiopharmaceuticals
- Pharmaceutical impurities
- Limit tests
- Volumetric analysis

3. Pharmacognosy

- Introduction and scope of Pharmacognosy
- Sources and classification of crude drugs
- Cultivation, collection and storage
- Adulteration and evaluation of crude drugs
- Alkaloids, glycosides, tannins, resins and volatile oils
- Laxatives and carminatives
- Cardiotonics and antihypertensive drugs
- Antimalarial and antidiabetic drugs
- Anticancer and antiseptic crude drugs
- Pharmaceutical aids
- Natural fibres and surgical dressings
- Morphology and microscopy of crude drugs

4. Biochemistry and Clinical Pathology

- Carbohydrates, proteins and lipids
- Enzymes and biological oxidation
- Vitamins and minerals
- Metabolism of carbohydrates, proteins and fats
- Water and electrolyte balance
- Acid-base balance

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- Blood and blood coagulation
- Anaemia
- Liver-function tests
- Kidney-function tests
- Blood-glucose tests
- Lipid profile
- Examination of urine, sputum and faeces

5. Human Anatomy and Physiology

- Cell and tissues
- Skeletal and muscular systems
- Blood and lymphatic system
- Cardiovascular system
- Respiratory system
- Digestive system
- Urinary system
- Nervous system
- Endocrine system
- Reproductive system
- Special senses
- Skin and temperature regulation

6. Health Education and Community Pharmacy

- Concept and determinants of health
- Nutrition and balanced diet
- Communicable and non-communicable diseases
- Environmental health and sanitation
- First aid and emergency care
- Maternal and child health
- Family planning
- Immunization

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- Epidemiology
- Disease prevention
- National health programmes
- Role of the community pharmacist

7. Pharmaceutics-II

- Prescription reading and handling
- Posology and dose calculations
- Pharmaceutical incompatibilities
- Powders and granules
- Solutions, syrups and elixirs
- Suspensions and emulsions
- Ointments, creams and pastes
- Suppositories and pessaries
- Cosmetics and dentifrices
- Parenteral preparations
- Intravenous fluids
- Ophthalmic preparations
- Quality-control tests

8. Pharmaceutical Chemistry-II

- Organic and heterocyclic compounds
- Antiseptics and disinfectants
- Sulphonamides and antibiotics
- Antitubercular and antileprotic drugs
- Antimalarial and antiamoebic drugs
- Antifungal and anthelmintic drugs
- Sedatives and hypnotics
- Antipsychotic and antidepressant drugs
- General and local anaesthetics
- Adrenergic and cholinergic drugs

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- Cardiovascular drugs
- Diuretics and anticoagulants
- Antidiabetic and antihistaminic drugs
- Analgesics, antipyretics and NSAIDs
- Anticonvulsants
- Steroidal and anticancer drugs

9. Pharmacology and Toxicology

- General Pharmacology
- Routes of drug administration
- Pharmacokinetics and pharmacodynamics
- Factors affecting drug action
- Drugs acting on the central nervous system
- Drugs acting on the autonomic nervous system
- Cardiovascular drugs
- Respiratory-system drugs
- Gastrointestinal drugs
- Hormones and antidiabetic drugs
- Diuretics
- Antimicrobial drugs
- Antitubercular and antimalarial drugs
- Antifungal and antiviral drugs
- Anticancer drugs
- Adverse drug reactions
- Drug interactions
- Poisoning and antidotes

10. Pharmaceutical Jurisprudence

- Pharmacy Act, 1948
- Drugs and Cosmetics Act, 1940
- Drugs and Cosmetics Rules, 1945

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- Pharmacy Council of India
- State Pharmacy Councils
- Drug Inspector and Government Analyst
- Important drug schedules
- Drugs and Magic Remedies Act, 1954
- NDPS Act, 1985
- Poisons Act, 1919
- Medicinal and Toilet Preparations Act, 1955
- Medical Termination of Pregnancy Act
- Drug Price Control Order
- Pharmaceutical ethics
- Offences and penalties

11. Drug Store and Business Management

- Forms of business organization
- Drug-store organization and layout
- Purchasing and sales procedures
- Storage and distribution of medicines
- Inventory control
- ABC and VED analysis
- FIFO and FEFO methods
- Stock levels and economic order quantity
- Banking and finance
- Bookkeeping and accounting
- Cash book and ledger
- Trial balance
- Profit-and-loss account
- Balance sheet
- Salesmanship and advertising

12. Hospital and Clinical Pharmacy

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- Organization of hospitals
- Hospital pharmacy
- Drug-distribution systems
- Hospital formulary
- Pharmacy and Therapeutics Committee
- Drug procurement and storage
- Central Sterile Supply Department
- Drug-information services
- Clinical pharmacy
- Patient counselling
- Medication history
- Prescription monitoring
- Adverse drug-reaction reporting
- Drug interactions
- Therapeutic drug monitoring
- Medication adherence
- Interpretation of laboratory tests
- Management of poisoning

Arithmetic—HSC Standard

- Number system
- Simplification
- Fractions and decimals
- Ratio and proportion
- Percentage
- Average
- Profit, loss and discount
- Simple and compound interest
- Time and work

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- Time, speed and distance
 - Partnership
 - Mixture and allegation
 - Mensuration
 - Data interpretation
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English—HSC Standard

- Parts of speech
- Articles and prepositions
- Tenses
- Subject-verb agreement
- Active and passive voice
- Direct and indirect speech
- Sentence correction
- Error detection
- Fill in the blanks
- Synonyms and antonyms
- Idioms and phrases
- One-word substitution
- Vocabulary and spelling
- Sentence rearrangement
- Reading comprehension