



CISF ASI PHARMACIST



POSTS



SALARY



ELIGIBILITY



PAPER PATTERN



**SELECTION
PROCESS**



SYLLABUS

CISF ASI Pharmacist Syllabus & Exam Pattern

POST NAME	ASI (PHARMACIST)
Total Vacancy	18 Posts
Category-wise Vacancy	UR 10, EWS 01, OBC 04, SC 02, ST 01
ESM Vacancy	02
Pay Scale	Pay Level-5: ₹29,200 – ₹92,300
Application Start	08/06/2026
Last Date	07/07/2026 up to 23:59 hrs
Application Mode	Online only
Official Website	cisfrectt.cisf.gov.in
Age Limit	18 to 28 years
Educational Qualification	10+2 passed + Diploma/Degree in Pharmacy
Registration	Must be registered as Pharmacist
Eligible Candidates	Male and Female Indian citizens
Application Fee	₹100 for UR/EWS/OBC
Selection Process	Written Exam → PST → Documentation → Medical Exam
Written Exam	100 marks, 2 hours, Objective type
Language	Hindi and English
Negative Marking	No negative marking
Final Merit	Based on Written Exam marks among qualified candidates

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CISF ASI Pharmacist Exam Pattern

Exam Mode	Written Exam (OMR/CBT)
Duration	120 Minutes
Subject	Concerned Subject
Total Questions	100
Total Marks	100

S.No.	Subject	No. of Questions	Marks
1.	Technical Subjects	100	100
	Total	100	100

CISF ASI Pharmacist Syllabus 2026

S.NO.	SUBJECT	SYLLABUS
1	Pharmaceutics	<ul style="list-style-type: none">• Dosage Forms: Preparation, evaluation, and manufacturing defects of solid dosage forms, liquid dosage forms, and semisolid dosage forms.• Solid Dosage Forms: Tablets and capsules.• Liquid Dosage Forms: Syrups and elixirs.• Semisolid Dosage Forms: Ointments and creams.• Sterile Preparations: Formulation and sterilization methods for parenterals and ophthalmic products.• Dispensing Pharmacy: Prescription reading, handling incompatibilities, Latin terms, and pharmaceutical

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		<p>calculations.</p> <ul style="list-style-type: none">• Pharmaceutical Calculations: Posology, alligation, and pediatric dosing.• Cosmetics & Additives: Dentifrices, facial cosmetics, deodorants, shampoos, and pharmaceutical packaging materials.
2	Pharmacology & Toxicology	<ul style="list-style-type: none">• General Pharmacology: Pharmacokinetics, pharmacodynamics, routes of administration, and drug-receptor interactions.• Pharmacokinetics: ADME.• Systemic Pharmacology: Classification, mechanism of action, and adverse effects of drugs acting on CNS, ANS, CVS, respiratory system, and gastrointestinal tract.• Chemotherapy: Antibiotics, antivirals, antifungals, antitubercular, and antimalarial drugs.• Toxicology: Principles of toxicology, heavy metal poisoning, and specific antidotes.• Important Examples: Organophosphate poisoning and paracetamol toxicity.
3	Pharmaceutical Chemistry	<ul style="list-style-type: none">• Inorganic Chemistry: Acids, bases, and buffers.• Limit Tests: Chloride, sulfate, arsenic, and iron.• Other Inorganic Topics: Gastrointestinal agents, dental products, and radiopharmaceuticals.• Medicinal & Organic Chemistry: IUPAC nomenclature, chemical structures, and Structure-Activity Relationships (SAR) of major drug classes.• Pharmaceutical Analysis: Principles of acid-base titrations, non-aqueous titrations, chromatography, and basic spectroscopy.• Important Analytical Methods: TLC, HPLC, UV, and IR.

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4	Pharmacognosy	<ul style="list-style-type: none">• Fundamentals: Classification, biological sources, and cultivation of crude drugs.• Phytoconstituents: Chemical tests, active constituents, and therapeutic uses of alkaloids, glycosides, tannins, volatile oils, and resins.• Quality Control: Adulteration, evaluation, and quantitative microscopy.• Evaluation Methods: Macroscopic evaluation and microscopic evaluation.• Quantitative Microscopy: Stomata index and palisade ratio.• Traditional Medicine: Basics of Ayurvedic, Unani, and Homeopathic systems.
5	Human Anatomy and Physiology (HAP)	<ul style="list-style-type: none">• Cell & Tissues: Cell structure, functions, and elementary tissue types.• Organ Systems: Anatomy and basic physiology of skeletal, cardiovascular, respiratory, digestive, nervous, urinary, reproductive, and endocrine systems.• Blood & Lymph: Composition of blood, blood grouping, coagulation cascades, and lymphatic system.• Sense Organs: Anatomy and physiology of eye, ear, and skin.
6	Pharmaceutical Jurisprudence	<ul style="list-style-type: none">• Key Acts: Pharmacy Act, 1948; Drugs and Cosmetics Act, 1940; Drugs and Cosmetics Rules, 1945; and Narcotic Drugs and Psychotropic Substances (NDPS) Act, 1985.• Schedules: Important drug schedules.• Important Examples: Schedule H for prescription drugs, Schedule X for narcotics, and Schedule M for GMP.

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		<ul style="list-style-type: none"> • Other Legislation: Drug Price Control Order (DPCO), Medical Termination of Pregnancy Act, Poisons Act, and Prevention of Cruelty to Animals Act.
7	Hospital and Clinical Pharmacy	<ul style="list-style-type: none"> • Hospital Setup: Organizational structure, drug distribution systems, hospital formulary, and Pharmacy and Therapeutics Committee (PTC). • Drug Distribution Systems: Floor stock and unit dose system. • Clinical Practice: Drug interactions, therapeutic drug monitoring, patient counseling, and understanding Adverse Drug Reactions (ADRs).
8	Biochemistry & Clinical Pathology	<ul style="list-style-type: none"> • Biomolecules: Chemistry, structure, and metabolism of carbohydrates, proteins, and lipids. • Enzymes & Vitamins: Classifications, coenzymes, functions, and specific deficiency diseases. • Clinical Pathology: Normal reference values for blood and urine. • Important Tests: Standard kidney function tests and liver function tests.
9	Drug Store and Business Management	<ul style="list-style-type: none"> • Inventory Control: ABC analysis, VED analysis, Economic Order Quantity (EOQ), safety stock, and lead time. • Business Operations: Requirements for setting up a retail pharmacy, cash book maintenance, ledger, recruitment, profit/loss accounting, and government tender/supply procedures.
10	Health Education & Community Pharmacy	<ul style="list-style-type: none"> • Public Health: Concept of health, balanced diets, nutrition, and first aid. • Communicable Diseases: Epidemiology, transmission, and prevention of tuberculosis, malaria, HIV/AIDS, and

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		water-borne infections. • National Programs: National Health Mission (NHM), National AIDS Control Organization (NACO), family planning, and national immunization schedules.
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