



भारतीय प्रौद्योगिकी संस्थान इन्दौर
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IIT Indore

Advertisement No. IITI/Estt./NT posts-03/November 2022 dated 22-11-2022

Scheme of examination for the post of Pharmacist

Subject		Maximum Marks	Time
PAPER-I (All questions will be objective type with no negative marking)			
Part-A	English Language- Comprehension, Grammar, Sentence correction, One words, Antonyms, Synonyms etc.	20	120 minutes
	Mathematics & Numerical Ability: Arithmetic - upto 10th Standard. Numerical Computation, Numerical Reasoning, Data Reasoning and Data Interpretation.	10	
	General Awareness and Current Affairs: Current Affairs, Government Schemes. Economics, Geography, Indian History, Indian Polity, Indian Constitution	10	
Part-B	Domain knowledge	60	
Total marks of written examination		100	120 minutes

Notes:-

- 1- The written examination is qualifying only and no marks shall be taken into account for final selection or ranking of individual candidate.
- 2- Only those candidates who score minimum cut off marks in the examination, as may be fixed by the IIT Indore at its discretion, will be called for further stage of selection.
- 3- IIT Indore reserves the right to conduct skill test of qualifying nature.

Syllabus for Domain Knowledge - Pharmacist

Sr No.	Subject	Topics
1	Pharmaceutics & Industrial Pharmacy	Dosage forms, Prescription, Posology, Pediatric & Geriatric dose calculations, pharmaceutical incompatibilities, Tablets, Capsules, Liquid orals, Parenteral Products, Ophthalmic Preparations, Pharmaceutical Aerosols & Cosmetics Packaging Materials Science Indian Regulatory Requirements
2	PATHOPHYSIOLOGY Pharmacology, & Toxicology of Various organ systems	Basic principles of Cell injury and Adaptation Gastrointestinal system, Hematological Diseases, Endocrine system, Nervous system, Principles of cancer: classification, etiology and pathogenesis of cancer. Inflammatory bowel diseases, jaundice, hepatitis (A, B, C, D, E,F) alcoholic liver disease. Disease of bones and joints: Rheumatoid arthritis, osteoporosis and gout Infectious diseases: Meningitis, Typhoid, Leprosy, Tuberculosis Sexually transmitted diseases: AIDS, Syphilis, Gonorrhea General Pharmacology, Pharmacology of drugs acting on cardiovascular, urinary system, Autocoids and related drugs, endocrine system, peripheral nervous system, central nervous system, Respiratory system, Gastrointestinal Tract, Chemotherapy, Immunopharmacology, Principles of toxicology.
3	PHARMACEUTICAL JURISPRUDENCE	Drugs and Cosmetics Act, 1940 and its rules 1945 Pharmacy Act –1948 Narcotic Drugs and Psychotropic substances Act-1985 and Rules Detailed study of Schedule G, H, M, N, P, T, U, V, X, Y, Part XII B, Sch F & DMR (OA) National Pharmaceutical Pricing Authority
4	PHARMACY PRACTICE	Hospital and it's organization, Hospital pharmacy and its organization, Drug distribution system in a hospital, Hospital formulary, Community pharmacy management, Pharmacy and therapeutic committee, Clinical Pharmacy, Drug store management and inventory control. National health programs (NHP's), its objectives, functioning and outcome, PHARMACOVIGILANCE, ADR
5	COMPUTER APPLICATIONS IN PHARMACY	Application of computers in Pharmacy – Drug information storage and retrieval Hospital and Clinical Pharmacy, Electronic Prescribing and discharge (EP) systems, barcode medicine identification and automated dispensing of drugs, mobile technology and adherence monitoring Diagnostic System, Lab-diagnostic System, Patient Monitoring System, Pharma Information System.
6	Latest Pharmaceutical and clinical Updates	NFI, NLEM, CDSCO, NPPA, PMBJP SCHEME, UIP, IAP, AMR, TDM Disposal of unused/expired pharmaceutical products, Antidotes, Storage of Medicines etc.