

औषधनिर्माता, शासकीय वैद्यकीय महाविद्यालय,
महाराष्ट्र वैद्यकीय शिक्षण व संशोधन सेवा, गट-ब.

Pharmacist in Government Medical College,
Maharashtra Medical Education & Research Service Group - B

परीक्षेचे टप्पे : लेखी परीक्षा - १०० गुण,

मुलाखत- २५ गुण

-: परीक्षा योजना :-

विषय व संकेतांक	प्रश्नसंख्या	गुण	कालावधी	दर्जा	माध्यम	प्रश्नपत्रिकेचे स्वरूप
विहित अभ्यासक्रमावर आधारित (११५)	१००	१००	एक तास	पदवी	इंग्रजी	वस्तुनिष्ठ बहुपर्यायी

अ) नकारात्मक गुणदान -

१) प्रत्येक चुकीच्या उत्तराकरीता २५% किंवा १/४ एवढे गुण एकूण गुणांमधून वजा/ कमी करण्यात येतील.
२) एखाद्या प्रश्नाची एकापेक्षा अधिक उत्तरे दिली असल्यास अशा प्रश्नाचे उत्तर चुकीचे समजण्यात येऊन त्या प्रश्नाच्या उत्तराकरीता २५% किंवा १/४ एवढे गुण एकूण गुणांमधून वजा/कमी करण्यात येतील.
३) वरीलप्रमाणे कार्यपध्दतीचा अवलंब करताना एकूण अंतिम गुणांची बेरीज अपूर्णाकात आली तरीही ती अपूर्णाकातच राहिल व पुढील कार्यवाही त्याच्या आधारे करण्यात येईल.
४) एखाद्या प्रश्नाचे उत्तर अनुत्तरित असेल तर, अशा प्रकरणी नकारात्मक गुणांची पध्दत लागू असणार नाही.

ब) अंतिम गुणवत्ता यादी ही वस्तुनिष्ठ परीक्षेतील व मुलाखतीतील एकत्रित गुणांवर आधारित राहिल.

-: Syllabus :-

Sr.No.	Topics and Sub-topics
Part I : Pharmaceutics, Dispensing and Hospital Pharmacy	
1	Formulations: Types, Preparation, Packaging, labeling and Storage, Various Conventional and prolonged release drug delivery systems, per-oral and parenteral administration, novel routes of drug administration including pulmonary, nasal, ophthalmic, transdermal etc., concepts of drugs stability and Shelf-life.
2	Prescription : definition, various parts of prescription, their functions, handling of prescription, prescription charging policy, labeling requirements as per various schedules mentioned in Drugs and Cosmetics Act and its addendum, Pharmacy Act 1948, Drug Price Control Order as per regulatory requirements, Narcotic & Psychotropic substances Act and Rules.
3	Posology : Definition, factors affecting dose selection, Calculation of doses for paediatric and geriatric patients.
4	Study of various pharmacopoeias, monographs and various quality control tests mentioned in the monographs- I.P., U.S.P., E.P., B.P.

5	<p>Sterile Products –their manufacturing and quality Control, Methods of Sterilization and validation thereof, Test for Sterility, Test for pyrogens, concept of asepsis and maintenance of aseptic conditions, Central Sterile Supply Department (CSSD) and its functioning.</p> <p>Microbiological Media: Preparation and Sterilization.</p> <p>Surgical dressings: Properties, sterilization, standards and tests for sterility.</p> <p>Ligatures and Sutures: Absorbable and non-absorbable, preparations, standards, and tests for sterility.</p>
6	<p>Hospital and Drug Store : Layout, designs. staff, materials-coding and stocking including storage conditions. Legal requirements, maintenance of various registers. Use of Computers for day to day record keeping. Inventory control concept of EOQ (Economic Order Quantity) & Purchase policy. Drug distribution systems in hospitals - Dispensing to in-patients & out-patients. Safe use of drugs in hospitals.</p>
7	<p>Clinical Pharmacy - Drug & poison information services & its management: Patient Counseling, Patient information leaflets, patient medication adherence, drug-drug, drug-food interactions, adverse drug reactions. Use of softwares and databases for monitoring drug interactions, and adverse drug reactions and idiosyncratic reactions.</p>
Part II : Pharmacology and Toxicology	
1	<p>Concepts of health and disease, causative agents and prevention of diseases like Aids, Tuberculosis. Brief outline of communicable diseases, models of transmission and prevention.</p>
2	<p>First aid, emergency treatment of shock, snake bites, burns, poisoning, fractures</p>
3	<p>Pharmacology of following classes of drugs Antihypertensives, antianginal agents, antihyperlipidemic agents, Cardiotonics, antiallergics, antidiabetics, antimicrobials and antibiotics including the newer generation antibiotics, antiulcer agents, antacid, anti HIV agents, antidepressants.</p>
4	<p>Clinical toxicology: Clinical symptoms and management of acute poisoning due to pesticides, opiates, barbiturates, benzodiazepines, alcohol (ethanol & methanol), paracetamol and salicylates, heavy metals- Aresenic, lead, mercury, radiation poisoning.</p>

दिनांक - ०६ एप्रिल, २०२२

अवर सचिव
महाराष्ट्र लोकसेवा आयोग