

Pharmacy Prep
Evaluating Exam
Review Book

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Pharmacy Prep

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Content

Terminology/ Abbreviations

Part 1: Biomedical Sciences

1. Human Anatomy
2. Gastrointestinal System
3. Nervous System
4. Cardiovascular System
5. Endocrine System
6. Renal System
7. Liver Function and Pathophysiology
8. Respiratory System
9. Urinary System
10. The Eye and Ear
11. Blood and Anemia
12. Biochemistry
13. Nutrition
14. Microbiology
15. Cell Biology
16. Immunology
17. Immunizations
18. Biotechnology
19. Toxicology

Part 2: Pharmaceutical Sciences 25%

20. Pharmacokinetics
21. Rates and Orders of Kinetics
22. Pharmacodynamics
23. Basics of Medicinal Chemistry
24. Medicinal Chemistry and Pharmacology of Autonomic Nervous System Drugs.

25. Medicinal Chemistry and Pharmacology of Histamines, Serotonin, Prostaglandin and Non-Steroidal Anti-inflammatory Drugs
26. Medicinal Chemistry and Pharmacology of Cardiovascular Drugs
27. Medicinal Chemistry and Pharmacology of Psychiatric & Neurological Drugs
28. Medicinal Chemistry and Pharmacology Endocrine Drugs
29. Medicinal Chemistry and Pharmacology of Respiratory Drugs
30. Medicinal Chemistry and Pharmacology of Musculoskeletal Drugs
31. Medicinal Chemistry and Pharmacology of Antimicrobial Drugs
32. Drug Metabolism
33. Biopharmaceutics
34. Physical Pharmacy
35. Pharmaceutical Excipient
36. Compounding
37. Pharmaceutical Dosage Forms
38. Drug Delivery Systems
39. Pharmaceutical Analysis

Part 3: Social/Behavioural/Administrative Sciences 10%

40. Canadian Healthcare System
41. Canadian Pharmacy Law and Jurisprudence
42. Pharmacist Scope of Practice in Canada
43. Pharmacy Management
44. Pharmacoeconomics
45. The New Drug Approval Process
46. Pharmacoepidemiology
47. Biostatistics
48. Hospital Pharmacy

Part 4a: Pharmacy Practice (50%)

Professional Practice Skills (15%)-workflow

49. Medication Orders and Dosage Forms
50. Pharmacy Calculations. Basics

51. Dilution, and Alligation calculations
52. Pharmacy Dosage Calculations.
53. Electrolytes Solutions
54. Safety of Medications in Special Populations
55. Promoting Medication Adherence
56. Professional Pharmacy Communication Skills
57. Professional Ethics
58. Drug Information Resources and Literature Evaluation
59. Medication Errors and Patient Safety Practices
60. Health Promotion and Disease Prevention
61. Collaboration and Teamwork
62. Sterile Preparations
63. Compounding and Storage Conditions

Part 4b. Pharmacy Practice-Clinical Pharmacy

64. Pharmaceutical Care and Drug-Related Problems
65. Adverse Drug Reactions and Management
66. Drug Interactions
67. Clinical Biochemistry and Therapeutic Drug Monitoring
68. Quality Assurance
69. OTC and Prescription Drugs for Dermatological and Foot Conditions
70. OTC and Prescription Drugs for Ophthalmic, Ear and Mouth Disorders
71. OTC Drugs Antihistamine, Decongestants, Antitussives, Expectorants
72. OTC Drugs for Nausea, Vomiting, Constipation, Diarrhea, Hemorrhoids
73. Analgesics, and Topical Pain Relievers
74. Asthma and Chronic Obstructive Pulmonary Disease (COPD)
75. Smoking Cessation
76. Insomnia
77. Obesity
78. GERD, Ulcers, Inflammatory Bowel Disease and Irritable Bowel Syndrome
79. Diabetes Mellitus Type I and Type 2
80. Thyroid Disorders

81. Contraception
82. Gynaecologic and Genitourinary Disorders
83. Rheumatoid Arthritis, Osteoarthritis and Gout arthritis
84. Osteoporosis
85. Hypertension
86. Coronary Artery Diseases
87. Stroke
88. Congestive Heart Failure
89. Cardiac Arrhythmias
90. Peripheral Vascular diseases
91. Pain Management
92. Anxiety Disorder
93. Depression
94. Psychosis and Schizophrenia
95. Dementia
96. Seizures and Epilepsy
97. Parkinson's Disease
98. Antimicrobial Agents
99. Anticancer Drugs and Chemotherapy
100. Pharmacognosy and Natural Products