

Pharmacy Prep
Evaluating Exam
Review Book

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Pharmacy Prep

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Content

Abbreviations

Part 1. Biomedical Sciences 15%

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 and Molecular Biology
16. Pharmacogenetics
17. Immunology and Immunizations
18. Biotechnology
19. Toxicology

Part 2. Pharmaceutical Sciences 25%

20. Pharmacokinetics
21. Rates and Orders of Reactions
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. Rheology
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. Social and Behavioural and Cognitive Pharmacy
43. Pharmacy Management
44. Pharmacoeconomics
45. The New Drug Approval Process
46. Evidence Based Medicine and Epidemiology
47. Biostatistics
48. Hospital Pharmacy

Part 4a. Pharmacy Practice (50%)

Professional Practice Skills (15%)-workflow

49. Pharmacy Calculations. Basics
50. Pharmacy Calculations. Dose Calculations
51. Pharmacy Calculations. Dilutions and Allegations

- 52. Brand and Generic Name Indexes
- 53. Prescription Processing and Medication Dispensing
- 54. Safety of Medications in Special Populations
- 55. Identification and Prevention of Drug Toxicity
- 56. Professional Pharmacy Communication Skills
- 57. Bioethics and 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 (35%)

- 64. Pharmaceutical Care and Drug Related Problems
- 65. Adverse Drug Reactions and Management
- 66. Drug Interactions
- 67. Clinical Biochemistry
- 68. Therapeutic Drug Monitoring
- 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. Sleep Related Disorders
- 77. Obesity and Weight Management
- 78. GERD, Ulcers, Inflammatory Bowel Disease (IBD) and Irritable Bowel Syndrome (IBS)
- 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. Anticoagulants
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