

Pharmacy Prep
Evaluating Exam
Review Book

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Pharmacy Prep

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Content

Terminology/ Abbreviations

Part 1: Pharmaceutical Sciences (25%)

1. Pharmacokinetics
2. Biopharmaceutics
3. Drug Metabolism and Pharmacogenetics
4. Drug Receptors and Affecting Neurotransmitters
5. Pharmacodynamics
6. Therapeutic Drug Classes
7. Pharmacology of Autonomic Nervous System Drugs.
8. Pharmacology of Histamines, Serotonin, and Prostaglandin
9. Pharmacology of Cardiovascular Drugs
10. Pharmacology of Psychiatric & Neurological Drugs
11. Pharmacology of Endocrine Drugs
12. Pharmacology of Respiratory Drugs
13. Pharmacology of Musculoskeletal Drugs
14. Pharmacology of Antimicrobial Drugs
15. Pharmacology of Oncology Drugs
16. Pharmacology of Gastrointestinal drugs
17. Pharmacology of Analgesics
18. Pharmacology of Anesthetics
19. Biotechnology
20. Immunology and immunizations
21. Toxicology
22. Physical Pharmacy and Drug stability
23. Pharmaceutics and Dosage Forms
24. Pharmaceutical Excipient
25. Drug Delivery Systems

Part 2: Pharmacy Practice (55%)

26. Medication Administration
27. Sig codes and Directions
28. Basic Pharmacy Math

- 29. Dosage Calculation
- 30. Dilutions and Concentration
- 31. Electrolyte Solutions
- 32. Dosing Calculations for Parenteral Medications
- 33. Compounding Non-Sterile and Sterile Preps

Clinical Pharmacy Practice

- 34. Clinical Biochemistry and Diagnostic Testing
- 35. Patient Care Process
- 36. Special Populations
- 37. Adverse Drug Reactions and Management
- 38. Drug Interactions
- 39. OTC and Prescription Drugs for Dermatological and Foot Conditions
- 40. OTC and Prescription Drugs for Ophthalmic, Ear and Mouth Disorders
- 41. OTC Drugs Antihistamine, Decongestants, Antitussives, Expectorants
- 42. OTC Drugs for Nausea, Vomiting, Constipation, Diarrhea, Hemorrhoids
- 43. Analgesics, and Topical Pain Relievers
- 44. Asthma and Chronic Obstructive Pulmonary Disease
- 45. Gastrointestinal Disorders
- 46. Diabetes Mellitus
- 47. Thyroid Disorders
- 48. Gynaecologic and Genitourinary Disorders
- 49. Urologic Disorders
- 50. Rheumatoid Arthritis, Osteoarthritis and Gout arthritis
- 51. Osteoporosis
- 52. Hypertension
- 53. Coronary Artery Diseases
- 54. Stroke
- 55. Congestive Heart Failure
- 56. Cardiac Arrhythmias
- 57. Peripheral Vascular diseases
- 58. Pain Management
- 59. Anxiety Disorder

- 60. Depression
- 61. Psychosis and Schizophrenia
- 62. Dementia
- 63. Seizures and Epilepsy
- 64. Parkinson's Disease
- 65. Infectious Disease
- 66. Clinical Pharmacokinetics
- 67. Hematological Disorders
- 68. Renal Diseases
- 69. Chronic Liver Diseases
- 70. Smoking Cessation
- 71. Sleep Related Disorders
- 72. Nutrition and Obesity
- 73. Immunologic disorders
- 74. Carcinogenesis and neoplasia
- 75. Vitamins and Supplements

Part 3: Social/Behavioural/Administrative Sciences (20%)

- 76. Canadian Healthcare System. Health Equity and Social Determinants of Health
- 77. Professionalism/Ethics
- 78. Professional Pharmacy Communication Skills
- 79. Collaboration and Teamwork
- 80. Drug Information Resources and Literature Evaluation
- 81. Medication Errors and Patient Safety Practices
- 82. Health Promotion and Disease Prevention
- 83. Canadian Pharmacy Law and Jurisprudence
- 84. Pharmacist Scope of Practice in Canada
- 85. Pharmacy Management
- 86. The New Drug Approval Process
- 87. Pharmacoeconomics
- 88. Pharmacoepidemiology
- 89. Biostatistics
- 90. Hospital Pharmacy

