

# *Pharmacy Technician Qualifying Exam Review and Guide*

## Content

### **Part 1: Drug Distribution**

- 1) Receiving Prescription and Patient Information
- 2) Interpreting and Processing the Prescription.
- 3) Pharmaceutical Calculations: Basic Conversions and Dosages
- 4) Pharmaceutical Calculations: Dilutions and Concentration
- 5) Pharmaceutical Calculations: Product Preparations
- 6) Transferring Prescription Authorizations to Another Pharmacy Provider
- 7) Product Preparations and Packaging Products for Release
- 8) Preparing Non-Sterile and Sterile Products
- 9) Managing Drug Distribution System
- 10) Managing Inventory

### **Part 2: Pharmacy Law, Ethical and Professional Responsibility**

- 11) The Federal and Provincial Regulatory Framework in Canada
- 12) Narcotics, and Narcotic Preparation Regulations
- 13) Benzodiazepines and Control Drugs Regulations
- 14) Ethical Principles
- 15) Professional Collaboration and Team Work

### **Part 3: Pharmacy Administration and Management**

- 16) Managing Administrative Activities
- 17) Billing and Financial Management Association with Prescription Processing
- 18) Insurances Policies

### **Part 4: Quality Assurance**

19) Pharmaceutical Storage Conditions

**Part 5: Communication Skills and Education**

20) Effective Communication Skills and Education

**Part 6: Pharmacotherapy**

**Autonomic Nervous System**

21) Chapter 1: Functions of Autonomic Nervous System

22) Chapter 2: Adrenergic Drugs

23) Chapter 3: Cholinergic Drugs

**Cardiovascular Drugs**

24) Chapter 4: Antihypertensive Drugs

25) Chapter 5: Antihyperlipidemics

26) Chapter 6: Nitrates and Nitroglycerine

27) Chapter 7: Cardiac Glycoside Digoxin

28) Chapter 8: Anti Arrhythmic Drugs

29) Chapter 9: Anticoagulants

30) Chapter 10: Antiplatelet Drugs

31) Chapter 11: Thrombolytic Drugs

**Central Nervous System Drugs**

32) Chapter 12: Antidepressants and Lithium

33) Chapter 13: Benzodiazepines and Barbiturates

34) Chapter 14: CNS Stimulants

35) Chapter 15: Antipsychotics

36) Chapter 16: Antiepilepsy drugs

37) Chapter 17: Alzheimer's and Dementia Drugs

38) Chapter 18: Anti-Parkinson's Drugs

39) Chapter 19: Local and general anesthetics

**Anti-inflammatory drugs and Autocoids**

40) Chapter 20: Opioid analgesics

41) Chapter 21: Non-Steroidal Anti-inflammatory Drugs

42) Chapter 22: Autocoid analogs and antagonists

**Endocrine pharmacology**

- 43) Chapter 23: Insulin and Anti-diabetics drugs
- 44) Chapter 24: Thyroids Drugs
- 45) Chapter 25: Gonadal Hormone
- 46) Chapter 26: Adrenal corticosteroids
- 47) Chapter 27: Oral Contraceptives

### **Drugs to treat Musculoskeletal Disorders**

- 48) Chapter 28: Osteoarthritis
- 49) Chapter 29: Disease Modifying Antirheumatic Drugs (DMARDs)
- 50) Chapter 30: Gout Arthritis and Hyperuricemia
- 51) Chapter 31: Osteoporosis

### **Drugs to Treat Other Diseases**

- 52) Chapter 32: Asthma and COPD
- 53) Chapter 33: Anticancer Drugs and Chemotherapy
- 54) Chapter 34: Gastrointestinal Drugs
- 55) Chapter 35: Drugs in Renal Diseases
- 56) Chapter 36 Immunomodulators
- 57) Chapter 37: Ophthalmic Medications

### **Antimicrobial Pharmacology**

- 58) Chapter 38: Antibacterials
- 59) Chapter 39: Antifungals
- 60) Chapter 40: Anti-Mycobacterial Drugs
- 61) Chapter 41: Anti-Viral Drugs
- 62) Chapter 42: Anti-Malarial Drugs
- 63) Chapter 43: Anti-Helmenths Drugs

## Disclaimer

Your use and review of this information constitutes acceptance of the following terms and conditions:

The information contained in the notes intended as an educational aid only. It is not intended as medical advice for individual conditions or treatment. It is not a substitute for a medical exam, nor does it replace the need for services provided by medical professionals. Talk to your doctor or pharmacist before taking any prescription or over the counter drugs (including any herbal medicines or supplements) or following any treatment or regimen. Only your doctor or pharmacist can provide you with advice on what is safe and effective for you. Pharmacy prep make no representation or warranty as to the accuracy, reliability, timeliness, usefulness or completeness of any of the information contained in the products. Additionally, Pharmacy prep do not assume any responsibility or risk for your use of the pharmacy preparation manuals or review classes.

In our teaching strategies, we utilize lecture-discussion, small group discussion, demonstrations, audiovisuals, case studies, written projects, role play, gaming techniques, study guides, selected reading assignments, computer assisted instruction (CAI), and interactive video discs (IVD).

Our preparation classes and books are not intended as substitute for the advise of NABPLEX<sup>®</sup>. Every effort has been made to ensure that the information provided herein is not directly or indirectly obtained from PEBC<sup>®</sup> previous exams or copyright material. These references are not intended to serve as content of exam nor should it be assumed that they are the source of previous examination questions.

©2000 to 2011 TIPS. All rights reserved.

Foreword by

Misbah Biabani, Ph.D

Coordinator, Pharmacy Prep

Toronto Institute of Pharmaceutical Sciences (TIPS) Inc

Copyright © 2000-2011 TIPS Inc. Unauthorized reproduction of this manual is strictly prohibited and it is illegal to reproduce without permission. This manual is being used during review sessions conducted by PharmacyPrep.