

Pharmacotherapeutics

Course Code: **ER20-24T**
for Second Year Diploma in Pharmacy

is strictly written according to the new syllabus framed by Pharmacy Council of India (PCI) as per ER-2020. This book is presented and published to meet the requirements of students of second year Diploma in Pharmacy (DPharm). The book, written in a simple and lucid language, attempts to demystify and simplify the basic concepts for the students of pharmacy for proper understanding of the subject and to get a sure success in the State Board Examinations.

Salient features of the book:

- All topics are described in an easy to understand language.
- Gives to-the-point answers.
- Covers all the requisite contents as per new syllabus.
- Shows success key in Board Examination.

This book, as well as **CBS Confident Pharmacy Series**, will be useful not only for the students and teachers but also for candidates desiring to attempt competitive examinations for job opportunities in pharmacy profession such as hospital pharmacists in PHCs, civil hospitals, etc.

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He is recipient of 'Best Participation Award' at national level IAPST conference held in 2011. Since 2008, he has been writing books in the field of pharmacy: So far he has published 11 popular titles, each title going to the third edition.

Now, as per PCI's new syllabus (ER-2020), he is in the process of completing fourth edition of 6 titles and bringing out fresh edition of 5 new titles according to the recent subjects introduced in the syllabus.

Pharmacotherapeutics

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As per new syllabus prescribed by Pharmacy Council of India



VN Raje



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CBS Confident Pharmacy Series

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As per new syllabus prescribed by Pharmacy Council of India

Salient Features

- Lucid and easy language
- To the point answers
- Remembering the concepts in the simplest way
- Infusing confidence in the reader to appear in the board examinations

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Science and technology are constantly changing fields. New research and experience broaden the scope of information and knowledge. The author has tried his best in giving information available to him while preparing the material for this book. Although, all efforts have been made to ensure optimum accuracy of the material, yet it is quite possible some errors might have been left uncorrected. The publisher, the printer and the author will not be held responsible for any inadvertent errors, omissions or inaccuracies.

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Preface

The book builds self-confidence in students which helps to get success in the examinations. The book has been written to meet the requirements of students of Diploma in Pharmacy (D Pharm) in accordance with the new revised syllabus ER-2020 prescribed by Pharmacy Council of India.

This book is small and humble effort has been put in for compiling necessary information on the subject. An attempt has been made to demystify and simplify the basic concepts for the students of pharmacy and to enable them get an evergreen success in MSBTE examinations and all other qualifying examinations throughout India.

The salient features of the present book are:

- Lucid and easy language
- To the point answers
- Remembering facts in the simplest way
- Infusing confidence in the reader to appear in the board examinations.

Hence, the series is named

CBS Confident Pharmacy Series

I am confident that this book will be useful to both the students and the teachers of Diploma in Pharmacy as well as the candidates desiring to succeed in competitive examinations for better job opportunities in pharmacy profession such as hospital pharmacists in PHCs, civil hospitals, etc.

Vijay N Rajee

to
my beloved family

Acknowledgements

I express my heartfelt thanks to Prof Madan Jagtap, Chairman, Gourishankar Education Society, Satara, Maharashtra, for consistent encouragement and inspiration for writing this book.

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I am also thankful to Shri Satish Kumar Jain, Chairman and Managing Director, and Shri Shantanu Sarkar, Assistant General Manager, Mumbai Branch, CBS Publishers & Distributors Pvt Ltd, for their sustained efforts and keen interest in the publication of this book.

I wish all my beloved students to have a great success in the board examinations.

Vijay N Raje

Syllabus

(As per PCI New ER-2020)

Pharmacotherapeutics

Course Code: ER20-24T

1. **Pharmacotherapeutics:** Introduction, scope, and objectives. Rational use of medicines, evidence-based medicine, essential medicines list, standard treatment guidelines (STGs)
2. **Definition, etiopathogenesis, clinical manifestations, non-pharmacological and pharmacological management of the diseases associated with:**
 - a. **Cardiovascular System**
 - Hypertension
 - Angina and myocardial infarction
 - Hyperlipidaemia
 - Congestive heart failure
 - b. **Respiratory System**
 - Asthma
 - COPD
 - c. **Endocrine System**
 - Diabetes
 - Thyroid disorders—hypo and hyperthyroidism
 - d. **Central Nervous System**
 - Epilepsy
 - Parkinson's disease
 - Alzheimer's disease
 - Stroke
 - Migraine
 - e. **Gastrointestinal Disorders**
 - Gastroesophageal reflux disease
 - Peptic ulcer disease
 - Alcoholic liver disease
 - Inflammatory bowel diseases (Crohn's disease and ulcerative colitis)

f. Haematological Disorders

- Iron deficiency anaemia
- Megaloblastic anaemia

g. Infectious Diseases

- Tuberculosis
- Pneumonia
- Urinary tract infections
- Hepatitis
- Gonorrhoea and syphilis
- Malaria
- HIV and opportunistic infections
- Viral infections (SARS-CoV-2)

h. Musculoskeletal Disorders

- Rheumatoid arthritis
- Osteoarthritis

i. Dermatology

- Psoriasis
- Scabies
- Eczema

j. Psychiatric Disorders

- Depression
- Anxiety
- Psychosis

k. Ophthalmology

- Conjunctivitis (bacterial and viral)
- Glaucoma

l. Antimicrobial Resistance

m. Women's Health

- Polycystic ovary syndrome
- Dysmenorrhoea
- Premenstrual syndrome

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