

Question Paper

Exam Date & Time: 06-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal College of Pharmaceutical Sciences
Second year PharmD
University Examination: April/May-2024
Pharmacotherapeutics-1 [PPR 2.6T-S3]

Marks: 70

Duration: 180 mins.

A: Long Answer Questions

Answer all the questions.

Draw diagrams wherever necessary

- 1) Discuss the management of dyslipidemia and explain the role of each class of lipid-lowering medications (10)
- 2) Discuss the pathogenesis of bronchial asthma and explain the role of short-acting beta-agonists, inhaled corticosteroids (ICS) and leukotriene antagonists (LTRA) in management of chronic asthma (10)
- 3) What is rational drug use (RDU)? Explain the importance of RDU and guidelines for rational prescribing of drugs. (10)

B: Short Answer Questions

Answer all the questions.

- 4) Draw the treatment algorithm for hypertension according to JNC-8 guidelines (5)
- 5) Write the clinical presentation and diagnosis of heart failure (5)
- 6) Explain the role of various anti-thyroid drugs used in hyperthyroidism management. (5)
- 7) Explain the different types of oral contraceptives with examples (5)
- 8) What is meant by drug burden index (DBI) and write its clinical significance (5)
- 9) How to investigate drug use in a health facility? (5)

C. Give Reasons for the Following

Answer all the questions.

- 10) Abrupt withdrawal of β -blocker therapy should be avoided in patients with angina (2)
- 11) According to ACC/AHA guidelines combination of ACEIs/ARBs and β blockers is the first line drug in the management of stage-B heart failure (2)
- 12) Corticosteroids have significant role in COPD management (2)
- 13) DPP-4 inhibitors have a specific role in the management of type 2 diabetes mellitus (2)
- 14) Certain drugs can induce or potentiate open-angle glaucoma (2)

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