

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LQ 0121]

JANUARY 2021

Sub. Code: 2911

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

FIRST YEAR

BRANCH IV – PHARMACOLOGY

PAPER II – PHARMACOLOGY AND TOXICOLOGY

Q.P. Code: 262911

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Biotransformation. Discuss the various pathways of biotransformation with suitable examples and factors affecting biotransformation.
2. Classify anti-cholinergic agents with examples. Discuss the pharmacological actions, adverse effects and therapeutic uses of Atropine.

II. Write notes on:

(10 x 6 = 60)

1. Cephalosporins.
2. Calcium-channel blockers.
3. Explain the mechanism of action and therapeutic uses of digoxin.
4. Drug-drug interactions with examples.
5. Classify oral hypoglycaemic agents. Write a note on dipeptidyl-peptidase IV inhibitors.
6. Angiotensin converting enzyme inhibitors.
7. Discuss the concept of renal clearance and its importance.
8. Explain the various stages of anaesthesia and explain the mode of action of general anaesthetics.
9. Classify anti-anginal agents. Write the mechanism of action of nitrates.
10. Current concepts in management of multi-drug resistant Plasmodium falciparum.
