

QP CODE: 301326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
February 2021**

Pharmacology II

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Classify anti-tubercular drugs with examples. Describe the mechanism of action and adverse effects of any two first line anti-TB drugs.
2. Describe the various phases of cell cycle. With a neat diagram, indicate the major sites of action of cytotoxic agents.
3. Classify anticoagulants with examples. Discuss the mechanism of action of oral anticoagulants. Mention their uses and side effects.

Short notes

(8x5=40)

4. Classify antimalarial drugs. Outline the mechanism of action and adverse effects of chloroquine.
5. Mechanism of action and adverse effects of cotrimoxazole.
6. Discuss the mechanism of action of cyclosporine with a neat labeled diagram.
7. PI3 kinase pathway.
8. Outline the mechanism of action of loop diuretics. Comment on the role of diuretics in the management of CHF
9. Translation in prokaryotes. What are the functions of histones.
10. Mechanism of action of aminoglycosides.
11. Explain the importance of acute toxicity study in preclinical studies. Name any two special toxicity studies conducted.
