

QP CODE: 301326

Reg. No:

Third Year Pharm D Degree Supplementary Examinations April 2022

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. With the help of a neat diagram, describe the replication cycle by an HIV virion and the sites of action of antiviral drugs.
2. Classify alkylating agents with examples. Discuss the mechanism of action and adverse effects of Cyclophosphamide. What is the rationale of using mesna in cyclophosphamide therapy.
3. Classify antiplatelet drugs with examples. Explain the process of hemostasis and mechanism of action of aspirin. Mention therapeutic uses and side effects of aspirin.

Short notes

(8x5=40)

4. Depict the absorption, transport, utilization and storage of iron. Mention two oral preparations of iron.
5. Mechanism of action of fluoroquinolones. What is gray baby's syndrome.
6. Mechanism of action of immunosuppressive agents.
7. Ligand gated ion channel.
8. Explain tubular reabsorption transport mechanisms involved in the formation of urine. Discuss how diuretics affect the tubular reabsorption mechanism.
9. Transcription in prokaryotes.
10. Mechanism of action of ketoconazole. Concurrent administration of erythromycin and ketoconazole is dangerous. Why.
11. Explain the importance of chronic toxicity study in preclinical studies.
