

QP CODE: 301326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
August 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. Describe the mechanism of action of tetracycline. Mention its therapeutic uses. Comment on superinfection.
2. Classify anti-malarial drugs with examples. Describe the life cycle of malarial parasite and the site of action of anti-malarial drugs.
3. Explain the coagulation pathway and the action of coagulants with a diagram. Mention three clinical uses of coagulants. Name two drugs that can restore hemostasis.

Short notes

(8x5=40)

4. Vitamin B₁₂ and folic acid as maturation factors.
5. Mechanism of action of isoniazid.
6. Explain the positive and negative regulators of cell cycle.
7. Diuretics acting on proximal convoluted tubule.
8. Mechanism of action of methotrexate. Folic acid cannot reverse methotrexate toxicity. Give reason and a suitable alternative.
9. Describe the mechanism of action and therapeutic uses of acyclovir.
10. Mechanism of action of ciprofloxacin. Why ciprofloxacin is contraindicated in pediatric patients to treat infections.
11. mRNA processing.
