

QP CODE: 301326

Reg. No:

**Third Year Pharm D Degree Regular/Supplementary Examinations
November 2024**

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-coagulants. Explain the pharmacological actions, mechanism of action, adverse effects, uses of oral anti-coagulants.
2. Classify Cephalosporins. Mention the pharmacological actions, mechanism, adverse effects, uses of cephalexin.
3. Write the principles, process and applications of recombinant DNA technology.

Short notes

(8x5=40)

4. Types and treatment of leprosy.
5. Flow of genetic information.
6. Cell cycle.
7. Oncogenes and tumor suppressor genes.
8. Sub-acute toxicity studies.
9. Polypeptide antibiotics.
10. Biosensors.
11. Gene expression.
