

QP CODE: 301326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
January 2020**

Pharmacology II

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. How cell cycle is regulated. Explain the different phases of cell cycle and factors regulating it.
2. Classify the drugs used in treatment of malaria with suitable example. Describe the mechanism of action, pharmacokinetic, adverse effect and use of chloroquine.
3. Explain gene transcription and various factors that regulate transcription.

Short notes

(8x5=40)

4. State the mechanism of action and therapeutic uses of
 - Cephalosporins
 - Ferrous compounds
5. Sub-acute and chronic toxicity studies.
6. Define antidiuretic. Mention the receptor and clinical uses of vasopressin.
7. Co-trimoxazole.
8. Recombinant technology and its application.
9. The mechanism of action, adverse drug reaction and therapeutic uses of clopidogrel.
10. Classify the immunosuppressants and its clinical application.
11. Plasma volume expander.
