

QP CODE: 301326

Reg. No:

**Third Year Pharm D Degree Supplementary Examinations
December 2017**

Pharmacology II

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Classify anticoagulants. Describe the mechanism of action, adverse drug reaction and therapeutic uses of warfarin.
2. Define and classify anticancer drugs with example. Discuss the mechanism of action and therapeutic applications of alkylating agents.
3. What is cell signaling and write its pharmacological importance. Describe briefly on the pathways involved in signal transduction and ion channels.

Short notes

(8x5=40)

4. Discuss the mechanism and uses of quinolones.
5. The basic principles of prokaryotes and eukaryotes.
6. What are plasma expanders. Give examples. Mention the ideal properties and uses of plasma expanders.
7. Acute and sub-acute toxicity studies.
8. Mutations and amplifications.
9. Define and classify diuretics and add a note on potassium sparing diuretics.
10. Biosensors.
11. What is co-troloxazole and mention its mechanism of action.
