

PHARMACOLOGY – I

(2010 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define bioavailability and describe the factors affecting bioavailability
2. Explain the pharmacotherapy of bronchial asthma
3. Classify drug interaction with suitable examples

Short notes

(14x5=70)

4. Classify tolerance with suitable examples
5. Define • teratogenicity • P drug concept • therapeutic index • synergism • antagonism
6. Biological membrane
7. Insulin preparations
8. Mechanism of action, uses and adverse effects of propylthiouracil
9. Explain the importance of chronopharmacology in drug administration
10. Classify antiarrhythmic agents
11. Ondansetron
12. Explain the mechanism of action and adverse effects of adrenal cortical steroids
13. Role of sodium nitrite in cyanide poisoning
14. Plasma expanders
15. Explain the importance of BAL and d-penicillamine in heavy metal poisoning
16. Explain fixed dose combination, mention its advantages with one example
17. Receptor up regulation and down regulation.
