

PHARMACOLOGY - I

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Classify parasympatholytic drugs. Mention the mechanism of action, pharmacological action, adverse effects and clinical uses of any one of them.
2. Define drug absorption and bio availability. Explain the factors influencing drug absorption and bio availability.
3. Classify anti hypertensive drugs with examples. Explain the pharmacotherapy of hypertension.

Short notes

(14x5=70)

4. Define pro drugs and mention their advantages with example.
5. What is bio transformation and explain phase II biotransformation.
6. Explain the essential drugs and rational prescription with example.
7. Classify β blockers and mention their therapeutic uses.
8. Explain mucolytic drugs with two examples and how do they differ from expectorants.
9. What are transdermal patches and mention their merits and demerits.
10. Anti androgens and oral contraceptives.
11. Classify H1 antihistaminics with examples. Explain briefly on non sedative antihistaminics.
12. Explain the pharmacology and therapeutic uses of adrenaline.
13. Acetyl cysteine and tropisetron.
14. Enumerate enzyme inducers. Mention the consequences of microsomal enzyme induction
15. What is cross tolerance and tissue tolerance. Explain the mechanism of development of tolerance.
16. What are the cautions to be taken while prescribing drugs during pregnancy. Name some teratogenic drugs.
17. Define first pass metabolism and enzyme induction with example