

**Final Year B.Pharm Degree Supplementary Examinations  
November 2018  
Pharmacology - II  
(2012 scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Classify antiepileptic drugs with examples. Explain the mechanism of action of phenytoin. Enumerate its adverse effects.
2. Classify tricyclic antidepressants with examples. Discuss the pharmacological actions of tricyclic antidepressants. Add a note on the adverse drug reactions of tricyclic antidepressants.
3. Classify penicillin with examples and describe their mechanisms of action. List two penicillins used in pseudomonas infections.

**Short notes**

**(14x5=70)**

4. Explain the mechanism of action of an antibacterial combination that acts through 'sequential blockade'
5. Explain the mechanism of action of calcineurin and mTOR inhibitors
6. Explain the mechanism of action of any two first line anti-tubercular drugs.
7. Cholinergic activators as drugs for Alzheimer's disease
8. Explain the pharmacological actions of aspirin and add a note on salicylism.
9. Explain the principles and indications of bio-assays
10. Outline the major approaches to drug design.
11. Explain the mechanism of action and adverse effects of 5-flucytosine
12. Classify diuretics based on their site of action.
13. Explain the mechanism of action of warfarin and low molecular weight heparins
14. Discuss the mechanism of action of proton pump inhibitors and mention their uses
15. Explain the mechanism of action and clinical uses of metoclopramide
16. Management of morphine poisoning
17. Classify antiviral agents with examples

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