

Third Year B.Pharm Degree Examinations June 2017

PHARMACOLOGY – I

(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay**(3x10=30)**

1. Explain the molecular mechanism of drug action taking any one receptor mediated drug response.
2. Classify antihypertensive drugs with suitable examples. State the pharmacological actions of β blocker on heart and smooth muscles.
3. What are anticholinesterase drugs. Classify them and state the symptoms of organophosphorous compound poisoning. How organophosphorous poisoning has been treated.

Short notes**(14x5=70)**

4. What is meant by adverse drug reaction and explain its significance
5. Cytochrome P450 enzymes.
6. Briefly explain transdermal drug delivery and state its limitations.
7. Mechanism of action and therapeutic uses of desferrioxamine
8. How will you determine genotoxicity.
9. State the mechanism of action and therapeutic uses of niacin.
10. Pharmacological actions of prostaglandins on smooth muscles.
11. Mechanism of action and therapeutic uses of 5α reductase enzyme inhibitors.
12. State briefly on
 - ED 50
 - Therapeutic index
13. What are spurious and banned drugs.
14. Explain additive effect of a drug with example.
15. What are bradykinins and explain its role as mediators.
16. Pharmacological action and therapeutic uses of isosorbide dinitrate
17. Pharmacological actions of β agonists on heart and blood vessels.
