

## Third Year B.Pharm Degree Examinations - November 2013

**PHARMACOLOGY - I****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

**Essay****(3x10=30)**

1. Define antagonism and classify them with examples. Mention the clinical significance of antagonism. What is meant by receptor upregulation.
2. Classify neuromuscular blocking drugs. Explain the mechanism of action, pharmacological action, therapeutic uses and adverse effect of d-tubocurarine.
3. Classify drugs used in bronchial asthma. Explain the mechanism of action and adverse effect of fluticasone. Mention the pharmacotherapy of acute severe asthma.

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

4. Name drugs modifying Renin-angiotensin system. Mention its therapeutic uses.
5. Describe the clinical importance of plasma protein binding of drugs.
6. Discuss briefly about drug eluting stent and pro drug.
7. Enumerate the drugs used in myasthenia gravis. Mention its mechanism of action.
8. Discuss the pharmacotherapy of angina pectoris.
9. Define inverse agonist and partial agonist with examples.
10. Explain heavy metal poisoning and its management.
11. Define adverse drug reaction. Describe the predisposing factor for adverse drug reaction.
12. Discuss briefly about methimazole and danazol.
13. Explain the role of autacoids in pharmacotherapy.
14. Classify  $\alpha$  (alpha) blockers with examples. Mention its therapeutic uses.
15. Define anti tussives and classify them with example. Explain its mode of action.
16. Name some prostaglandin analogues with its therapeutic uses.
17. Define drug Interaction. Explain pharmacodynamic' drug interaction with suitable example.

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