

**Second Year BDS Degree Examinations - August 2014****GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS****Time: 3 hrs****Max marks: 100**

- Answer all questions
- Draw diagram wherever necessary

**Essay****(2x14=28)**

1. Explain the various factors which modify drug action and its therapeutic applications.  
(7+7)
2. Classify beta lactam antibiotics . Explain the mechanism of action, adverse effects and therapeutic uses of amoxycillin.  
(5+3+3+3)

**Short essays****(4x8=32)**

3. Classify the drugs used in bronchial asthma and briefly explain inhalation corticosteroids.  
(5+3)
4. Classify anti malarial drugs and the explain about chloroquine  
(5+3)
5. Classify general anesthetics. Mention the mechanism of action and adverse effects of inhalational anesthetics.  
(4+2+2)
6. Enumerate the anticoagulants. Explain the mechanism of action and therapeutic uses of heparin  
(3+3+2)

**Short notes****(10x4=40)**

7. Second generation antihistamines
8. Mention four proton pump inhibitors and its uses
9. Explain briefly about selective COX-2 inhibitors and its side effects
10. Mention four sulfonyl ureas and its mechanism of action
11. Uses and adverse effects of adrenaline
12. Explain briefly on ACE inhibitors
13. Uses and adverse effects of methotrexate
14. Mention the therapeutic uses and adverse effects of metronidazole
15. Uses of diazepam
16. Disclosing agents

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