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Second Professional MBBS Degree Supplementary Examinations, September 2013

Pharmacology- Paper I

Time: 2 Hours **Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essays: **(2x6=12)**

1. Classify non-steroidal anti inflammatory drugs. List the uses of NSAIDs. Mention four differences between aspirin and celicoxib. (2+2+2=6)
2. A 50 year old man develops pedal edema and also has difficulty in breathing. Echocardiography confirms mild congestive cardiac failure. Answer the following:
   - What are the first line drugs in congestive cardiac failure.
   - What is the rationale for use of each of them in congestive cardiac failure
   - Mention the life style modification that you would advise to this patient
   - Add a note on treatment of digoxin over dosage (1+2+1+2=6)

Short notes: **(5x3=15)**

3. Microsomal enzyme induction
4. Carbamazepine
5. Nasal decongestants
6. Treatment of organophosphorus poisoning
7. Diazepam

Answer briefly: **(5x1=5)**

8. Mention two uses and two adverse effects of chlorpromazine
9. Discuss the rationale for the use of adrenaline in anaphylactic shock
10. Mechanism of action of lignocaine
11. What is a pro drug and mention two examples
12. List two advantages of low molecular weight heparin over standard heparin

Name two drugs for: **(8x1=8)**

13. Bronchodilators (of two different groups)
14. Non sedative antihistamines
15. Angina pectoris
16. Cardio selective beta blockers
17. Two intravenous and two inhalational anaesthetics
18. Anti hypertensives used in emergencies
19. Peripherally acting skeletal muscle relaxants
20. Name the antidote in poisoning due to paracetamol and methanol

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