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Second Professional MBBS Degree Examinations, April 2013

Pharmacology- Paper I

Time: 3 Hours **Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

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

1. A 24year old man is brought to the hospital with complaints of unconsciousness , sustained contractions (tonic) of all the body muscles followed by periods of muscle contraction alternating with periods of relaxations(clonic) lasting 1 to 2 minutes . Answer the following:
   - What are the drugs that can be prescribed to this patient.
   - Describe the pharmacokinetics and adverse effects of any one such drug.
   - What is the treatment of status epilepticus. (2+3+1=6)

2. Classify diuretic agents. Describe the mechanism of action, uses and adverse effects of furosemide. (2+2+1+1=6)

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

3. Calcium channel blockers
4. Drug treatment of anti cholinesterase poisoning
5. Kinetics of elimination
6. Halothane
7. Nicorandil

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

8. Rationale of combining beta blockers with long acting nitrates
9. Clinical uses of prostaglandins
10. Mechanism of action of disulfiram
11. Flumazenil
12. Hofmann elimination

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

13. Drugs used in Myasthenia gravis
14. Uterine relaxants
15. Mast cell stabilizers
16. Mucolytics
17. Low molecular weight heparins
18. Anti platelet drugs
19. Drug induced parkinsonism
20. 5HT antagonists

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