

**Code: 201001**

**Reg. no.:** .....

**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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