

**Q.P. Code: 201001**

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



**Second Professional MBBS Degree Examinations, March 2014**

**Pharmacology- Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(2x6=12)**

1. A 28 years old man, while working on his computer in an IT company, suddenly went blank, fell down and appeared to be unconscious. He regains consciousness in the next 5 minutes but was confused and could not remember what happened. When he consulted a neurologist, he was diagnosed to have absence seizures. Answer the following:
  - Name two drugs useful in absence seizures
  - Explain the mechanism of action of phenytoin
  - List four uses of carbamazepine
  - Mention two drugs used in status epilepticus

**(1+2+2+1=6)**
2. Enumerate  $\beta$  blockers. Explain any six uses and two contraindications of  $\beta$  blockers  

**(2+3+1=6)**

**Short notes:**

**(5x3=15)**

3. Sodium nitroprusside
4. Sevoflurane
5. Bronchodilators
6. Plasma half-life
7. Selective serotonin reuptake inhibitors

**Answer briefly:**

**(5x1=5)**

8. Two uses and two adverse effects of atropine
9. Rationale for use of frusemide in acute pulmonary edema
10. Mechanism of action of diazepam
11. Two differences between heparin and warfarin
12. Mention the antidote in over dosage of morphine

**Name two drugs:**

**(8x1=8)**

13. Supraventricular arrhythmias
14. Non sedative antihistamines
15. Idiopathic parkinsonism
16. Enzyme inducers
17. Mucolytics
18. Drugs for the prophylaxis of angina pectoris
19. Relief of somatic pain
20. Hyperlipidemia

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