

**Q.P. Code: 201001**

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

**Second Professional MBBS Degree Examinations February 2018**

**Pharmacology- Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Classify antihypertensive drugs. Describe the mechanism of action, uses and adverse effects of angiotensin converting enzyme (ACE) inhibitors. (2+2+1+1)
2. Sarala, 28 years old lady was suffering from depression. The physician prescribed tablet fluoxetine 20mg/day for her. Answer the following:
  - What is the mechanism of action of fluoxetine.
  - What is the advantage of this drug compared to tricyclic antidepressants.
  - What can happen if this patient is administered pethidine concurrently (2+2+2)

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

3. Plasma half life
4. Edrophonium
5. Sumatriptan
6. Propofol
7. Clopidogrel

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

8. Tachyphylaxis. Give examples
9. Why is benzhexol used in the treatment of drug induced Parkinsonism.
10. Explain the use of propranolol in thyrotoxicosis.
11. Rationale of using low dose aspirin in post myocardial infarction.
12. Atracurium

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

13. Available as transdermal patch
14. Used in the treatment of atrial fibrillation
15. Potassium sparing diuretics
16. Used in treatment of acute congestive glaucoma
17. Histamine releasers
18. In treatment of absence seizures
19. Fibrinolytic agents
20. Disease modifying anti-rheumatic drugs

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