

**Second Professional MBBS Degree Examinations, February 2017**

**Pharmacology- Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(2x6=12)**

1. Classify drugs used in the treatment of angina pectoris. What is the effect of nitrates on coronary blood flow. Describe the mechanism of action and any two adverse effects of nitrates. (2+1+2+1 =6)
2. A patient suffering from schizophrenia was being treated with haloperidol for the last four weeks. Now he developed rigidity, tremors, hypokinesia and classical gait. Answer the following:
  - What is the cause of these symptoms in this patient.
  - How will you treat this problem.
  - Why levodopa is combined with carbidopa in parkinsonism and mention its dose(1+2+3=6)

**Short notes:**

**(5x3=15)**

3. Drug antagonism
4. Lamotrigine
5. Low molecular weight heparin
6. Ipratropium bromide
7. Propofol

**Answer briefly:**

**(5x1=5)**

8. Uses of diazepam
9. Use of prazosin in benign prostatic hypertrophy
10. Idiosyncrasy
11. Use of morphine in left ventricular failure
12. Dipivefrine

**Name two drugs:**

**(8x1=8)**

13. Selective serotonin reuptake inhibitors
14. Treatment of acute glaucoma
15. Leukotriene antagonists
16. Thrombolytic agents
17. Opioid antagonists
18. Potassium sparing diuretics
19. Triptans
20. Hypertensive emergency

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