

**Q.P. Code: 201001****Reg. No.: .....****Second Professional MBBS Degree Supplementary Examinations  
July 2019****Pharmacology - Paper I****Time: 2 Hours****Max Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Classify antiepileptic drugs. Describe the mechanism of action and adverse effects of phenytoin (2+2+2)
2. Read the clinical problem and answer the following question:  
An elderly male aged 70 years was brought to the outpatient department with complaints of difficulty in passing urine, poor stream & post void dribbling. Examination revealed that he had benign prostatic hypertrophy (BPH) and his BP was 160/ 100 mm of Hg. (2+2+2).
  - What drug will you prescribe to take care of both BPH & hypertension
  - Explain the mechanism of action of the drug in this patient
  - What do you understand by 'first dose effect' of Prazosin

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

3. First pass metabolism
4. Furosemide
5. Fibrinolytic drugs
6. Calcium channel blockers
7. Atypical antipsychotic agents

**Write the Pharmacological basis for the use of: (3x1=3)**

8. Levodopa and carbidopa combination in Parkinson's disease
9. Fomepizole in methanol poisoning
10. Combination of adrenaline with lignocaine in infiltration local anesthesia

**Write two uses and two adverse effects of the following drugs: (3x1=3)**

11. Clonidine
12. Allopurinol
13. Diazepam

**Choose the appropriate drug and Justify: (2x1=2)**

14. Montelukast / Salbutamol in acute bronchial asthma
15. Thiazides / Spironolactone in patients using Lisinopril

**Name the following (Two examples for each): (5x1=5)**

16. Transdermal patch
17. Microsomal enzyme inducers
18. Drugs for open angle glaucoma
19. Cardio selective beta blocker
20. Plasma expanders

\*\*\*\*\*

