

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
