

2010 Scheme

Q.P. Code: 201001

Reg. No.:

Second Professional MBBS Degree Supplementary Examinations March 2025

Pharmacology - Paper I

Time: 2 Hours

Max Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x6=12)

1. Classify Antiepileptic drugs. Explain the mechanism of action, therapeutic uses and adverse effects of Sodium Valproate. (3+3)
2. A man aged 45 years presented with complaints of gradual onset double vision, drooping eyelids, difficulty in chewing food and weakness of limbs which is accentuated by exercise. The symptoms fluctuate in intensity over time. A provisional diagnosis of Myasthenia gravis is made.
 - a) Can a pharmacological test be performed to confirm the diagnosis. Explain
 - b) What are the medications used to treat Myasthenia gravis
 - c) Is there a surgical solution for this illness(2+3+1)

Short Notes:

(5x3=15)

3. Losartan.
4. Transdermal drug delivery system.
5. Thiazide diuretics.
6. Therapeutic uses of Prostaglandins.
7. Mast cell stabilizers.

Write the Pharmacological basis for the use of:

(3x1=3)

8. Ethyl alcohol in Methyl alcohol poisoning.
9. Dopamine in Cardiogenic shock.
10. Morphine in Acute left ventricular failure.

Write two uses and two adverse effects of the following drugs:

(3x1=3)

11. Adrenaline.
12. Glyceryl trinitrate.
13. Clozapine.

Choose the appropriate drug and Justify:

(2x1=2)

14. Low molecular weight Heparin/Warfarin as Anticoagulant in pregnancy.
15. Trihexyphenidyl /Levodopa in Drug induced parkinsonism.

Name the following (Two examples for each):

(5x1=5)

16. Selective serotonin reuptake inhibitors.
17. Non benzodiazepine hypnotics.
18. Cardiosselective beta blockers.
19. Prodrugs.
20. HMG CoA reductase inhibitors
