

Q.P. Code: 201001

Reg. No.:

**Second Professional MBBS Degree Supplementary Examinations
December 2021
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, uses and adverse effects of phenytoin and sodium valproate. List four drugs used in status epilepticus. (2+3+1)
2. A 30 years old pregnant woman attended to hospital with a complaint of sudden onset of swelling of right leg and tenderness over calf. Venous Doppler of right leg suggestive of presence of a large thrombus in leg veins.
 - Classify anticoagulants
 - Choose the ideal drug for this patient, write its mechanism of action and adverse effects.
 - What are advantages of low molecular weight heparins (2+2+2)

Short Notes: (5x3=15)

3. Plasma half life
4. Metoprolol
5. Neostigmine
6. Potassium sparing diuretics
7. Clinical uses of prostaglandins

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

8. Pralidoxime in organophosphate compound poisoning
9. Carbidopa in combination with Levodopa.
10. Verapamil in paroxysmal supra ventricular tachycardia

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

11. Clonidine
12. Morphine
13. Ketamine

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

14. Enalapril/amlodipine in hypertension with renal failure
15. Dopamine/Dobutamine in congestive heart failure

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

16. Topical nasal decongestants
17. Atypical neuroleptics
18. Selective cyclooxygenase – 2 (COX-2) inhibitors
19. Potassium channel openers
20. Anticholinergic bronchodilators
