

## 2010 Scheme

Q.P. Code: 201001

Reg. No.: .....

**Second Professional MBBS Degree Supplementary Examinations  
October 2022  
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. (a) Classify the drugs used in treatment of hypertension – any four groups with two examples each.  
(b) Describe in detail any one group with its mechanism of action, uses and adverse effects.  
(d) Name two drugs given for pregnancy induced hypertension. (2+3+1)
2. A one-year-old boy with febrile seizures was brought to the emergency department.  
(a) Which is the drug administered and mention the route of administration with its rationale.  
(b) Write the mechanism of action and other uses of the above drug.  
(c) Add a note on sodium valproate. (2+2+2)

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

3. Morphine
4. Adrenaline
5. Cardioselective beta blockers
6. Plasma half life
7. Pre-anaesthetic medication

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

8. Ethyl alcohol in methyl alcohol poisoning
9. Adrenaline with lignocaine in local anaesthesia
10. Prazosin in Benign hypertrophy of prostate.

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

11. Frusemide
12. Selective serotonin reuptake inhibitors
13. Potassium channel openers

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

14. Physostigmine/Neostigmine for Atropine poisoning
15. Colchicine/Allopurinol in Acute Gout

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

16. Prostaglandin analogues
17. Second generation antihistaminics
18. Prodrugs
19. Depolarizing neuromuscular blocking agents
20. HMG-CoA Reductase inhibitors

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