

# 2010 Scheme

Q.P. Code: 201001

Reg. No.: .....

## **Second Professional MBBS Degree Supplementary Examinations August 2024**

### **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. Explain the factors modifying drug action. Briefly describe newer drug delivery systems (3+3)
2. A 30-year-old male was brought to the emergency department reporting a sudden onset of generalised tonic clonic convulsions and fall, in the nearby supermarket. His blood pressure and electrolytes were found to be normal. A diagnosis of generalised tonic clonic seizure was made.
  - a) Classify the drugs used in treatment of epilepsy
  - b) Describe the mechanism of action and adverse effects of phenytoin (3+3)

#### **Short Notes:**

**(5x3=15)**

3. Enalapril
4. Morphine – therapeutic uses and adverse effects
5. Furosemide
6. Atorvastatin
7. Define half life of a drug and give its clinical significance

#### **Write the Pharmacological basis for the use of:**

**(3x1=3)**

8. Trihexyphenidyl in the treatment of Drug induced parkinsonism
9. Sodium nitrite in the treatment of Cyanide poisoning
10. Aspirin in the secondary prevention of Ischaemic heart disease

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

**(3x1=3)**

11. Warfarin
12. Fluoxetine
13. Prazosin

#### **Choose the appropriate drug and Justify:**

**(2x1=2)**

14. Labetalol/Losartan in Pregnancy induced hypertension
15. Glycopyrrolate/Atropine as a Pre anaesthetic medication

#### **Name the following (Two examples for each):**

**(5x1=5)**

16. Bronchodilator
17. Plasma expanders
18. Fibrinolytics
19. Triptans
20. Anticholinesterases

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