

# 2010 Scheme

Q.P. Code: 202001

Reg. no.: .....

## Second Professional MBBS Degree Supplementary Examinations March 2025

### Pharmacology - Paper II

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 the drugs used in Chemotherapy of Tuberculosis. Write the mechanism of action, therapeutic uses and adverse effects of Rifampicin (3+3)
2. A 32years old woman, presented with complaints of weight loss, palpitations, sweating, irregular menses and occasional tremors of hands since 2-3 months. Clinical examination revealed a diffusely enlarged thyroid gland and blood tests showed decreased TSH. She was started on medication for Grave's disease.
  - a) What are the different pharmacological agents used for the treatment of hyperthyroidism
  - b) What is the mechanism of action of Thioamides
  - c) Add a note on Radioactive Iodine

(3+1+2)

(5x3=15)

#### Short Notes

3. Penicillin
4. Clomiphene citrate.
5. Pantoprazole.
6. Chelating agents
7. Amphotericin B.

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

(3x1=3)

8. Metoclopramide in vomiting.
9. Combination of Trimethoprim and Sulfamethoxazole.
10. Combination of Oestrogen and Progesterone in Oral contraceptive pills

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

(3x1=3)

11. Fluroquinolones.
12. Methotrexate.
13. Prednisolone.

#### Choose the appropriate drug and Justify:

(2x1=2)

14. Rifabutin/ Rifampicin in Tuberculosis in AIDS patients.
15. Oxytocin/Methyletergometrine to induce Labour.

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

(5x1=5)

16. Selective Estrogen Receptor Modulators.
17. Bisphosphonates.
18. Aminoglycoside antibiotics.
19. Protease inhibitors
20. Azole antifungals

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