

2010 Scheme

Q.P. Code: 202001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations March 2026

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 drugs used in peptic ulcer. Write the mechanism of action, therapeutic uses and adverse effects of Omeprazole. (3+3)
2. A 14 year old boy presented with polyuria, polydipsia and weight loss of around 5 kgs in the last 3 months. His biochemical analysis showed FBS 260mg/dl; PPBS 360 mg/dl; HbA1c 10.4%. He was diagnosed to have Type I diabetes mellitus and was treated with insulin
 - a) Mention the route of administration of insulin in this patient.
 - b) What are insulin analogues. Mention their advantages.
 - c) How will you manage a patient with hypoglycemia.

(1+3+2)

Short Notes

(5x3=15)

3. Aminoglycosides
4. Ciprofloxacin
5. Bisphosphonates
6. Methotrexate
7. Selective Estrogen Receptor Modulators (SERMs)

Write the Pharmacological basis for the use of:

(3x1=3)

8. Trimethoprim with sulfamethoxazole
9. Cilastatin with Imipenem
10. Metoclopramide in gastroesophageal reflux disease (GERD)

Write two uses and two adverse effects of the following:

(3x1=3)

11. Rifampicin
12. Acyclovir
13. Cyclophosphamide

Choose the appropriate drug and Justify:

(2x1=2)

14. Metronidazole /Streptomycin in Pseudomembranous enterocolitis
15. Systemic / inhalational corticosteroids for bronchial asthma

Name the following (Two examples for each)

(5x1=5)

16. Antithyroid drugs
17. Drugs used in scabies
18. Immunosuppressant drugs
19. Systemic antifungal drugs
20. Chelating agents
