

2019 Scheme

Q.P. Code: 212001

Reg. no.:

**Second Professional MBBS Degree Regular/Supplementary Examinations
March 2024**

Pharmacology - Paper II

(GIT, Hormones, Antibiotics, Chemotherapy and Miscellaneous)

Time: 3 Hours

Total Marks: 100

- 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

Long Essays

(2x15=30)

1. (a) Enumerate Oral Anti diabetic drugs. Describe the mechanism of action, uses and adverse effects of any two groups. (4+6+5)
(b) Briefly describe Insulin analogs. (4+6+5)
2. Prasad, 40-year-man weighing 60 kg suffering from chronic cough with expectoration and fever was diagnosed to have cavitory pulmonary tuberculosis.
(a) Classify the drugs used in the treatment of tuberculosis.
(b) Discuss in detail on the mechanism of action and adverse effects of first line antitubercular drugs.
(c) Add a note on the drug therapy of Multi Drug Resistant tuberculosis (4+8+3)

Short essays

(5x8=40)

3. (a) Enumerate the drugs used for Psoriasis and explain the pharmacological basis for their use.
(b) Penicillin.
4. Classify bisphosphonates. Explain in detail on the mechanism of action, uses and adverse effects of bisphosphonates
5. Enumerate the drugs used in treatment of Peptic ulcer. Briefly describe any one group. Write one Helicobacter pylori eradication regimen. (6+2)
6. Compare Radioactive Iodine and Carbimazole.
7. (a) Briefly describe d – pencillamine.
(b) Adverse effects of Corticosteroids. (4+4)

Short answers

(5x4=20)

8. Triazole Antifungal agents.
9. Alkylating agents and their uses in cancer chemotherapy
10. Classify the Selective Estrogen Receptor Modulators (SERMs) and explain the pharmacological basis of their clinical indications.
11. Ciprofloxacin
12. Artemisinin based combination therapy in Malaria

Choose the Appropriate Drug and Justify:

(2x1=2)

13. Metformin/Sitagliptin for insulin resistance in a diabetic patient.
14. Azithromycin/Clindamycin for mycoplasma pneumonia

Name the following (Two examples for each):

(8x1=8)

15. Drugs used for treatment of Filariasis
 16. Drugs used for treating Pseudomembranous enterocolitis
 17. Drugs for treating Lepra reaction
 18. Neuraminidase inhibitors
 19. Topical agents used for Acne vulgaris
 20. Calcineurin inhibitors
 21. Stimulant laxatives
 22. Drugs to treat Irritable bowel disease
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