

**2019 Scheme**

Q.P. Code: 212001

Reg. no.: .....

Second Professional MBBS Degree Regular Examinations February 2022

**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) Mention different groups of penicillins with examples.  
(b) Explain mechanism of action of penicillins  
(c) What are uses and adverse effects of Amoxicillin. (5+3+4+3)
2. (a) Mention different groups of Anti-thyroid drugs available for clinical use.  
(b) Which anti-thyroid drug is used to treat hyperthyroidism in pregnancy. How it lowers thyroxine levels (i.e mechanism). What are its adverse effects.  
(c) Explain the rationale for use of propranolol in hyperthyroidism.  
(d) Briefly describe Insulin analogs. (4+3+2+6)

**Short essays**

(5x8=40)

3. (a) Enumerate the drug groups used to treat Peptic ulcer.  
(b) Write the mechanism of action, uses and adverse effects of any one group.  
(c) Briefly describe Ondansetron. (3+2+3)
4. Explain chemoprophylaxis with examples. Write two different HIV prophylaxis regimens. (4+4)
5. Describe the therapeutic uses and adverse effects of Corticosteroids. (4+4)
6. (a) Selective Estrogen Receptor Modulators (SERMs).  
(b) Treatment of Diabetic Ketoacidosis. (4+4)
7. (a) Chloroquine (b) Oral Contraceptive Pills (4+4)

**Short answers**

(5x4=20)

8. Pharmacotherapy of Inflammatory Bowel Disease
9. Mention adverse effects of Aminoglycosides
10. Methotrexate
11. Ivermectin
12. d-penicillamine

**Choose the Appropriate Drug and Justify:**

(2x1=2)

13. Tetracycline/Amoxicillin in pharyngitis for a 5-year-old child
14. Ceftriaxone/ Amikacin in gonorrhoea

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

(8x1=8)

15. Topical preparations for Scabies
16. Drugs for herpes simplex
17. Drugs for pneumocystis carini infection
18. Anti-progestins
19. Prolactin inhibitors
20. Topical preparations for Acne vulgaris
21. Epidermal growth factor receptor inhibitors
22. Drugs for pseudomembranous enterocolitis

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