

Second Professional MBBS Degree Supplementary Examinations

June 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. Enumerate Antiemetic drugs. Explain the Mechanism of action, uses and adverse effect of any one group.
Briefly describe proton pump inhibitors (6+4+5)
2. A Resident surgeon consults a physician with the following problem: During a surgical procedure he got exposed to a 26-year-old female patient's blood and saliva through a piercing injury on the finger. A needle had penetrated across his gloves and skin to a depth of 2–3 mm, but was withdrawn immediately and the area washed under running water. On enquiry, the patient revealed that one year back she had tested HIV (Human Immunodeficiency Virus) positive, but was asymptomatic and not taking any anti-HIV medication.
 - (a) Classify Antiretroviral drugs with two examples each.
 - (b) Describe in detail the mechanism of action, uses and adverse effects any two drug groups.
 - (c) Add a note on the drugs used for post exposure HIV prophylaxis.
 - (d) Measures to be practiced to avoid needle prick injury. (4+6+3+2)

Short essays

(5x8=40)

3. (a) Describe the Mechanism of action, newer liposomal formulations, uses and adverse effects of Amphotericin B.
(b) Selective Estrogen Receptor Modulators. (4+4)
4. (a) Penicillin. (b) Aminoglycosides. (4+4)
5. (a) Pharmacotherapy of irritable bowel syndrome with the rationale for use.
(b) Oral Contraceptive Pills
6. Glucocorticosteroids
7. (a) Insulin analogs
(b) ORS

Short answers

(5x4=20)

8. Pharmacotherapy of Thyrotoxic crisis (thyroid storm)
9. Albendazole
10. Vinca alkaloids
11. Treatment of Chloroquine resistant falciparum malaria
12. Treatment of Pulmonary tuberculosis

Choose the Appropriate Drug and Justify:

(2x1=2)

13. Ampicillin / Ciprofloxacin in urinary tract infection in a pregnant lady.
14. Cyclosporine / Sirolimus for graft rejection reaction in Renal failure patient.

Name the following (Two examples for each):

(8x1=8)

15. Drugs to treat Constipation
16. Uterine Relaxants
17. Drugs used for osteoporosis
18. Anabolic steroids
19. Drugs for Emergency contraception
20. Topical antifungal agents
21. Drugs used for typhoid fever
22. Vitamin D preparations