

2019 Scheme

Q.P. Code: 211001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations

July 2023

Pharmacology - Paper I

(General Pharmacology, ANS, CNS, CVS, Blood, Diuretics, Autacoids, Respiratory System)

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 52-year-old man presented with complaints of tightness and discomfort in middle part of chest, particularly after brisk walking. This is relieved within 10 minutes of rest. A diagnosis of Angina pectoris was made by physician after appropriate investigations.
 - (a) Mention four different drug groups used in treatment of Angina with two examples each.
 - (b) Write the mechanism of action and adverse effects of Nitrates.
 - (c) Outline the management of Acute pulmonary edema, with rationale for use of each drug.
 - (d) Briefly describe Antiplatelet drugs. **(4+3+4+4)**
2. A 29-year employee gradually stopped going out, withdrew socially. He felt guilty, worthless and tired all time, lost interest in pleasure and sex and had disturbed sleep. Physician diagnosed him a case of Major depression.
 - (a) Enumerate three drug groups with two examples each to treat major depression.
 - (b) Write the mechanism of action, uses and adverse effects of Fluoxetine.
 - (c) Briefly describe Atypical Antipsychotics **(5+5+5)**

Short essays

(5x8=40)

3. Briefly describe drug biotransformation. Describe microsomal enzyme induction. **(4+4)**
4. Aspirin.
5. Classify Diuretics. Briefly describe Frusemide. **(4+4)**
6. (a) Outline the management of Organophosphorous poisoning.
(b) Write the mechanism of action, therapeutic uses and adverse effects of Pancuronium. **(4+4)**
7. Briefly describe Adrenaline. Advantage of combining Adrenaline with Lignocaine. Mention the sites where this combination is contraindicated. **(4+3+1)**

Short answers

(5x4=20)

8. Pharmacological management of Bronchial Asthma.
9. Streptokinase.
10. Pharmacotherapy of Alcohol dependence.
11. What is the rationale of using Beta-blockers in Glaucoma.
12. Therapeutic uses of Anti-histamines.

Choose the Appropriate Drug and Justify:

(2x1=2)

13. Codein / Bromhexine in dry cough.
14. Alpha Methyl Dopa / Losartan in pregnancy induced hypertension.

Name the following (Two examples for each):

(8x1=8)

15. Drugs used in Absence seizures.
16. Prodrugs.
17. Drugs used to treat Bipolar illness.
18. Drugs administered transdermally.
19. Drugs used to treat Morphine poisoning.
20. Uricosuric agents.
21. Prostaglandin analogues.
22. Aldosterone antagonist.
