

# 2019 Scheme

Q.P. Code: 211001

Reg. no.: .....

Second Professional MBBS Degree Supplementary Examinations

July 2022

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) Classify drugs used to treat Angina. Describe the mechanism of action, therapeutic uses and adverse effects of Nitrates. Add a note on Prinzmetal Angina.  
(b) Describe the management of Acute left ventricular failure. (4+5+2+4)
2. A male labourer aged 27 years was brought to the emergency department with signs and symptoms of rapid and shallow breathing, headache, vertigo, severe abdominal pain, dyspnea, motor incoordination, and slurred speech. He had a history of consuming illicit liquor 8 hours before he was brought to the emergency department. He was conscious and complained of blurred vision, fatigue and palpitation. His vital functions were found to be normal except for decreased respiratory rate. On examination, he was found to have moderate retinal edema and blurring of the disc without any change in the fields of vision.
  - (a) What could the features of the patient be suggestive of.
  - (b) Drugs to be given for this patient with rationale for use for each one.
  - (c) Describe drug dependence and outline the management of Alcohol dependence.
  - (d) Describe general measures in poisoning. (2+5+4+4)

## Short essays

(5x8=40)

3. (a) Explain the mechanism of action, uses and adverse effects of Aspirin.  
(b) Briefly describe Low molecular weight Heparin. (4+4)
4. Factors modifying drug action.
5. Classify drugs used in treatment of chronic simple glaucoma. Write the mechanism of action and adverse effects of Beta blockers. (4+4)
6. (a) Enumerate four Selective Serotonin reuptake inhibitors. Write four uses and four adverse effects. (4+4)  
(b) Briefly describe Lignocaine
7. Classify drugs used in Bronchial asthma. Discuss the management of Status Asthmaticus. (4+4)

(PTO)

**Short answers**

**(5x4=20)**

- 8. Selective COX-2 inhibitors (merits and demerits).
- 9. Pharmacological management of Myasthenia gravis.
- 10. Pharmacotherapy of Parkinsonism.
- 11. Treatment of Acute attack of gout
- 12. Pharmacotherapy of Organophosphorous poisoning

**Choose the Appropriate Drug and Justify:**

**(2x1=2)**

- 13. Loratadine/Chlorpheniramine maleate for Acute Rhinitis in a driver
- 14. Prazosin/Tamsulocin in Benign Prostatic Hypertrophy

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

**(8x1=8)**

- 15. Prostaglandin analogs
- 16. Skeletal muscle relaxants
- 17. Drugs used in Alzheimer's disease
- 18. Antipsychotic agents
- 19. Antiepileptic drugs
- 20. General anaesthetics used for induction
- 21. Antiplatelet drugs
- 22. Drugs for Insomnia

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