

# 2019 Scheme

Q.P. Code: 211001

Reg. no.: .....

## Second Professional MBBS Degree Regular Examinations February 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. Mr. X, a 65-year-old retired teacher had severe retrosternal chest pain radiating to shoulder and left arm. He was profusely sweating and his ECG revealed ST elevation and a diagnosis of Acute Myocardial infarction was made.
  - (a) Write the management of Acute Myocardial infarction with rationale for use of each drug.
  - (b) Enumerate the drugs to be prescribed at the time of discharge.
  - (c) Mention the lifestyle modifications to be advised to this patient. (8+4+3)
2. Classify Opioid analgesics. Write the pharmacological effects, therapeutic uses, adverse effects and contraindications of Morphine. (4+3+3+3+2)

### Short essays

(5x8=40)

3. Define plasma half-life and give two examples of drugs with very short half life. Define therapeutic index and give two examples each for drugs with high and low therapeutic index". (4+4)
4. Classify drugs used to treat Parkinsonism with one example from each group
5. Describe the uses, adverse effects and contraindications of atropine and atropine substitutes. (4+2+2)
6. Enumerate four drug groups used in treatment of Bronchial asthma with its rationale for use. Enumerate two drug groups used to treat cough. (6+2)
7. (a) Four drugs used to treat Chronic glaucoma with rationale for use of each drug.  
(b) Describe the Management of Status epilepticus (4+4)

### Short answers

(5x4=20)

8. Spinal anaesthesia - complications and treatment
9. Pharmacological basis of drugs used in treatment of Acute Migraine
10. Enumerate Alpha blockers and explain their therapeutic uses. (1+3)
11. Pharmacological basis of drugs used in Congestive Cardiac failure
12. Therapeutic uses and adverse effects of Neostigmine

### Choose the Appropriate Drug and Justify:

(2x1=2)

13. Edrophonium /Pyridostigmine for the diagnosis of Myasthenia gravis.
14. Scopolamine/Cetirizine for motion sickness

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

(8x1=8)

15. Carbonic anhydrase inhibitors
16. Drugs used in Rheumatoid arthritis
17. Drugs used to treat Vertigo
18. Drugs used to treat Insomnia
19. Drugs used to treat Schizophrenia
20. Drugs used to treat Organophosphorus poisoning
21. Antiplatelet agents
22. Drugs used for Alcohol deaddiction

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