

Q.P. Code: 201001

Reg. No.: .....

**Second Professional MBBS Degree Examinations February 2019**

**Pharmacology - Paper I**

Time: 2 Hours

Max Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

(2x6=12)

1. Enumerate the topical group of agents used in the treatment of open angle glaucoma. Give examples and explain the mechanism of action of each group of drugs. (2+2+2)
2. 19 yrs old Saravanan was admitted to the emergency ward with the history of consumption of poison after love failure. On admission, he had profuse sweating, excess salivation, laboured breathing & pinpoint pupil. He had thrown convulsion once. His pulse rate was 45-50/mt.
  - What is your probable diagnosis
  - What is the line of management
  - What are the specific antidotes. How they are useful.

(1+2+1+2)

**Short Notes:**

(5x3=15)

3. Apparent volume of distribution
4. Treatment of smoking cessation
5. Cetirizine
6. Valproic acid
7. Furosemide

**Write the Pharmacological basis for the use of:**

(3x1=3)

8. Atropine as antisecretory agent
9. Angiotensin converting enzyme inhibitor in congestive cardiac failure
10. Dantrolene in malignant hyperthermia

**Write two uses and two adverse effects of the following drugs:**

(3x1=3)

11. Tenecteplase
12. Allopurinol
13. Haloperidol

**Choose the appropriate drug and Justify:**

(2x1=2)

14. Naloxone / Nalbuphine in morphine poisoning
15. Lidocaine / Propranolol to treat arrhythmia following myocardial infarction

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

(5x1=5)

16. HMG-CoA reductase inhibitor
17. Antiplatelet agent
18. COMT inhibitor
19. Leukotriene antagonist
20. Selective serotonin reuptake inhibitor

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