

Q.P. Code: 201001

Reg. No.: .....

**Second Professional MBBS Degree Regular/Supplementary  
Examinations May 2021  
Pharmacology - Paper I**

Time: 2 Hours

Max Marks: 40

- 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

**Essays:****(2x6=12)**

1. Name two selective and two nonselective cyclooxygenase 2 (COX-2) inhibitors. Enumerate four uses of aspirin along with the dose required. Describe the adverse effects and drug interactions of aspirin. (2+2+2)
2. Read the clinical problem and answer the following questions: A 50 years old man was administered succinylcholine for endotracheal intubation. The patient developed prolonged muscle paralysis and apnea. (2+2+2)
  - What could be the cause of apnea in this patient
  - How will you treat the apnea
  - Name two muscle relaxants that you can use in this patient in future

**Short Notes:****(5x3=15)**

3. Selective serotonin reuptake inhibitors
4. Drug antagonism
5. Telmisartan
6. Low molecular weight heparins
7. Second generation antihistaminic agents

**Write the Pharmacological basis for the use of:****(3x1=3)**

8. Beta blockers in angina
9. Trihexyphenidyl in drug induced extrapyramidal syndrome
10. Furosemide in acute pulmonary edema

**Write two uses and two adverse effects of the following drugs:****(3x1=3)**

11. d-Tubocurarine
12. Morphine
13. Acetazolamide

**Choose the appropriate drug and Justify:****(2x1=2)**

14. Nifedipine / Verapamil in hypertension
15. Salbutamol / Salmeterol in acute attack of bronchial asthma

**Name the following (Two examples for each):****(5x1=5)**

16. Antiplatelet drugs
17. Mucolytic agents
18. Drugs for absence seizures
19. Drugs for Paroxysmal Supra Ventricular Tachycardia (PSVT)
20. Potassium channel openers

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