Max Marks: 100



PAPER CODE: MB2019111

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PHARMACOLOGY PAPER-I

Note: Answer all questions.

Time: 3 Hours

Give Diagrammatic representation wherever necessary.

Multiple Choice Questions: 10 X 1=10

1. The drug which acts by inhibiting an enzyme in the body is:

a) Atropine b) Allopurinol

c) Levodopa d) Metoclopramide

2. Which of the following drug produce tachyphylaxis?

a) Adrenaline b) Ephedrine

c) Dopamine d) Isoprenaline

The antidote of choice for morphine poisoning is:

a) Nalorphine b) Nalbuphine

c) Naltrexone d) Naloxone

Histamine is involved as a mediator in the following pathological condition:

a) Delayed hypersensitivity b)Inflammation

c) Carcinoid syndrome d) Variant angina

The following analgesic lacks anti-inflammatory action:

a) Paracetamol b) Ibuprofen

c) Diclofenac sodium d) Piroxicam

Acetylcysteine is used in the following condition





a) Carbon Monoxide Poisoning	b) OP Poisoning
c) Paracetamol Poisoning	d) Salbutamol Poisoning
7. A 20-year-old woman is taking over-the-counter diphenhydramine for severe hay fever. Which of the following adverse effects is she most likely to report?	
a) Diarrhoea	b) Sedation
c) Nervousness, anxiety	d) Vertigo
8. Which of the following is not a prodrug	
a) Levodopa	b) Enalapril
c) Dipivefrine	d) Amoxicillin
Cholinomimetic drugs can be used for the treatment of all of the following conditions except	
a) bradycardia	b) Closed angle glaucoma
c) cobra bite	d) Myasthenia gravis
10. Bisacodyl is	
a) bulk forming purgative	b) Stool softener
c) stimulant purgative	d) Osmotic purgative
Essay/Long Answer Questions:	5X4=20
 a) Define Bioavailability. Describe any five factors affecting drug bioavailability. (2+5) b) Define Prodrug. Describe the clinical significance of prodrugs with suitable examples. (2+6) 	
12. Classify Antiepileptic Drugs. Describe the mechanism of action, therapeutic uses and adverse effects of Phenytoin. (6+3+3+3)	
Short Answer Questions:	7 X 6 = 42
 Describe pharmacotherapy of Prophylaxis of Migraine. Compare and contrast Physostigmine and Neostigmine. 	



15. Explain the drug antagonism with examples.



- Mention five drugs used in pre-anaesthetic medication with their rationale.
- 17. Describe therapeutic uses and adverse effects of Beta Blockers.
- Discuss the pharmacological management of Acute Severe Asthma.
- 19.Describe how to motivate patients with long standing Type II diabetes to adhere to the prescribed treatment of the physician.

Very Short Answer Questions:

6 X 3 = 18

- 20. Write the rationale of combining Adrenaline with Lignocaine.
- Rationale of using ethanol in Methanol Poisoning.
- 22. Enlist the non- Diarrhoeal uses of Oral Rehydration solution.
- 23. Therapeutic uses of centrally acting Skeletal Muscle Relaxants.
- 24. Mention advantages of Second-Generation Antihistamines over Conventional Antihistamines.

25. Clinical significance of Plasma Protein binding with examples.

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