

Q.P. CODE: MB2019111
KALOJI NARAYANA RAO UNIVERSITY OF
HEALTH SCIENCES
WARANGAL, TELANGANA STATE-506 002
MBBS SECOND YEAR DEGREE
EXAMINATIONS: AUGUST, 2025
PHARMACOLOGY
Paper-I
(NEW SCHEME)

Time: 3 Hours

Max. Marks: 100

Note! Answer all questions

Give Diagrammatic representation wherever nory

Multiple Choice Questions:

10 X 1 = 10

1) Drug administered through the following route is most likely to be subjected to first-pass metabolism:

- a) Oral
- b) Sublingual
- c) Subcutaneous
- d) Rectal

2) Orphan drugs are

- a) drugs with high therapeutic failure
 - c) drugs having low therapeutic margin
 - ~~b) drugs for rare disease~~
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d) drugs with high toxicity

3) Low doses of aspirin prolong bleeding time by selectively inhibiting synthesis of the following mediator in the platelets:

- a) Thromboxane A₂
- b) 5-Hydroxytryptamine
- c) Platelet activating factor
- d) Prostacyclin

4) The most effective drug in parkinsonism is:

- a) Bromocriptine
- b) Selegiline
- c) Levodopa
- d) Biperiden

5) The following analgesic lacks anti-inflammatory action

- a) Paracetamol
- b) Ibuprofen
- c) Diclofenac sodium
- d) Piroxicam

6) The drug which undergoes 'Hofmann' elimination is:

- a) Succinylcholine
- b) Pancuronium
- c) Vecuronium
- d) Atracurium

7) fomepizole is used in which poisoning

- a) methyl alcohol poisoning
 - b) morphine poisoning
 - c) strychnine poisoning
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- d) atropine poisoning.
- 8) Atropine poisoning causes all except
- Dilated pupil
 - Excessive salivation
 - Excitement
 - hot skin
- 9) Antidote for paracetamol poisoning is
- Naloxone
 - Methylene blue
 - N-acetylcysteine
 - Flumazenil
- 10) The drug of choice for status epilepticus is
- Lorazepam
 - Propofol
 - Thiopentone
 - Sodium valproate

Essay/ Long Answer Questions:

2 X 15 = 30

- 11) a) Enlist the different types of receptors with examples of drugs acting through them. (6+2)
- b) Describe the factors modifying drug action and their clinical significance.
- 12) Classify Antidepressants. Describe the mechanism of action, therapeutic uses and adverse effects of Tricyclic Antidepressants. (5+2)

Short Answer Questions:

7X6 = 42

- 13) Describe the advantages and disadvantages of Intravenous route of Drug administration.
- 14) Compare and contrast Succinylcholine and D-Tubocurarine.
- 15) Describe therapeutics uses and adverse effects of Alpha Blockers.
- 16) Classify Anticholinesterases and mention their therapeutic uses.
- 17) Explain the mechanisms of action, therapeutic uses and adverse effects of proton Pump Inhibitors.
- 18) Describe disease modifying Anti Rheumatoid Drugs.
- 19) Describe how to counsel HIV/ AIDS patient to adhere to Anti-Retroviral Therapy.

Very Short Answer Questions:

6X3 = 18

- 20) Define Prodrug with two examples.
- 21) Enlist any two uses of Adrenaline with its rationale.
- 22) Mention the drugs used in the management of Organo Phosphorous Poisoning with its rationale.
- 23) Mention three different groups of drugs used in Bronchial Asthma with one example for each.
- 24) What is Malignant Hyperthermia? Mention the drug used for its treatment.
- 25) Define Tachyphylaxis. Give two examples of drugs

causing Tachyphylaxis.

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