

SECOND YEAR BSC OPTOMETRY PHARMACOLOGY QUESTION BANK

ESSAY (10 MARKS)

1. Discuss the pharmacotherapy of bronchial asthma in detail
 - Definition
 - Classification
 - Beta2 sympathomimetics
 - Mechanism of action
 - Pharmacological actions
 - Uses
 - Anticholinergics
 - Mechanism of action

2. Classify anti arrhythmic. Describe the mechanism of action, dosage, side effects, uses and contra indications of amiodarone.
 - Introduction
 - Classification
 - Dosage
 - Side effects
 - Uses
 - Contraindications

3. Classify general anesthetics. Describe the pharmacokinetics and pharmacodynamics of intravenous general anesthetics. Mention the uses and side effects of propofol.
 - Classification
 - Pharmacokinetics &
 - Pharmacodynamics of iv general anaesthesia
 - Uses& side effects of propofol

4. Classify beta blocking drugs. Mention the clinical uses, adverse effects and contraindications of propranolol
 - Classification
 - Uses
 - Adverse effects

- Contra indication
5. Classify local anaesthetic agents by describing different methods of delivering those agents. Mention the mechanism of action and adverse effects of lignocaine.
- Classification
 - Diffraction Drug delivery system
 - Mechanism of action & adverse effects of lignocaine
6. Classify drugs used in the treatment of cardiac failure. Describe the mechanism of action, uses and adverse effects of digoxin
- Classification
 - Mechanism of action
 - Uses
 - Adverse effects
7. Classify neuromuscular blocking drugs. Describe the mechanism of action, uses and adverse
- Classification
 - Mechanism of action
 - Uses
 - Adverse effects
8. Effects of succinyle choline
- Definition
 - Classification
 - Mechanism of action
 - Actions
 - Adverse effects
9. Classify diuretics. Describe the mechanism of action, uses and adverse effects of frusemide
- Classification
 - Mechanism of action
 - Uses
 - Adverse effect

SHORT ANSWERS (5 MARK)

1. Intravenous general anesthetics
 - Iv general anaesthetic agents
 - Definition
 - Classification
 - Mechanism of action
 - Uses
 - ADR

2. Anticoagulants
 - Anticoagulants
 - Definition
 - Classification
 - MOA
 - Uses
 - ADR

3. Inotropic agents
 - Inotropic agents

4. Drug therapy of vomiting.
 - Drug therapy of vomiting.
 - Classification
 - MOA
 - Uses
 - ADR

5. Hypolipidemic drugs
 - Hypolipidemic drugs
 - Definition
 - Classification
 - MOA
 - Uses
 - ADR

6. Calcium channel blockers
 - Calcium channel blockers
 - Classification
 - MOA
 - Uses
 - ADR

7. Drugs used in treatment of Shock.
 - Drugs used in treatment of Shock.
 - Classification
 - MOA
 - Uses
 - ADR

8. Intravenous general anaesthetics.
 - Intravenous general anaesthetics.
 - Definition
 - Classification MOA
 - Uses
 - ADR

9. Uses of corticosteroids.
 - Uses of corticosteroids.

10. Thrombolytics.
 - Thrombolytics.
 - Classification
 - MOA
 - Uses
 - ADR

11. First generation antihistamines.
 - First generation antihistamines

12. Angiotensin converting enzyme inhibitors.
 - Angiotensin convert in Genzyme inhibitors

13. Furosemide
 - Furosemide
 - MOA
 - Uses
 - Actions
 - ADR
14. Aminoglycoside antibiotics
 - Aminoglycoside antibiotics
15. Immunosuppressive agents
 - Immunosuppressive agents
 - Classification
 - MOA
 - Uses
 - ADR
16. Hydrocortisone
 - Agents
17. Emergency drugs
 - Drugs
18. Uses and adverse effects of antihistamines
 - Uses
 - Adverse effects

ANSWER BRIEFLY (3 MARKS)

1. Drugs used in angina
2. Half-life of drugs
3. Generic name of drugs
4. d-tubocurarine
5. Drugs used in asthma

- MOA
 - Uses
 - ADR
6. Morphine
- MOA
 - Uses
 - ADR
7. Mechanism of action of lignocaine
8. Cardiac glycosides
9. Aspirin
- MOA
 - Uses
 - ADR
10. Amoxicillin
- MOA
 - Uses
 - ADR
11. Bupivacaine.
- MOA
 - Uses
 - ADR
12. Penicillin
- MOA
 - Uses
 - ADR
13. Immunosuppressive agents
- Definition
 - MOA

- Uses
 - ADR
14. Drug treatment of Tuberculosis.
- Classification
 - MOA
 - Uses
 - ADR
15. Plasma half-life.
16. Amiodarone.
- MOA
 - Uses
 - ADR
17. Statins.
18. Transdermal drug delivery system.
19. Atropine- uses in eye.
20. Potassium sparing diuretics
21. Emergency drugs.
22. First pass metabolism.
23. Atracurium.
24. Azithromycin.
- MOA
 - uses
 - ADR