

■ Pharmacology - MCQs

1. What is the fundamental difference between a drug and a natural body substance?

- A) Creates a new function
- B) Modifies an existing function
- C) Does not interact with receptors
- D) Causes toxicity
- E) Inhibits enzymes only

■ Answer: Modifies an existing function

2. Pharmacodynamics is defined as:

- A) What the body does to the drug
- B) Study of drug absorption
- C) Study of drug excretion
- D) What the drug does to the body
- E) Study of metabolism

■ Answer: What the drug does to the body

3. Which of the following best describes ADME?

- A) Absorption, Distribution, Metabolism, Elimination
- B) Activation, Degradation, Mutation, Excretion
- C) Absorption, Detoxification, Metabolism, Elimination
- D) Analysis, Distribution, Modulation, Excretion
- E) Absorption, Delivery, Modulation, Excretion

■ Answer: Absorption, Distribution, Metabolism, Elimination

4. Which enzyme does paracetamol inhibit to reduce pain and fever?

- A) Amylase
- B) Cyclooxygenase
- C) Protease
- D) Lipase
- E) Kinase

■ Answer: Cyclooxygenase

5. Which of the following is NOT a typical effect of paracetamol?

- A) Antipyretic
- B) Analgesic
- C) Strong anti-inflammatory
- D) Fever reduction
- E) Pain relief

■ Answer: Strong anti-inflammatory

6. Which of the following is a common side effect of ibuprofen?

- A) Hair loss
- B) Gastric irritation
- C) Kidney enlargement
- D) Liver failure
- E) Skin rash

■ Answer: Gastric irritation

7. Which branch of pharmacology deals with toxic effects of drugs and chemicals?

- A) Clinical pharmacology
- B) Toxicology
- C) Pharmacy
- D) Pharmacokinetics
- E) Pharmacodynamics

■ Answer: Toxicology

8. What is the scientific discipline dealing with drug preparation and dispensing?

- A) Toxicology
- B) Pharmacy
- C) Clinical pharmacology
- D) Pharmacodynamics
- E) Biochemistry

■ Answer: Pharmacy

9. Which of the following best describes a 'receptor'?

- A) A protein that binds a drug to produce a response
- B) A substance that breaks down drugs
- C) A transport protein
- D) A metabolic enzyme
- E) A lipid anchor

■ Answer: A protein that binds a drug to produce a response

10. Which of the following processes is NOT part of pharmacokinetics?

- A) Absorption
- B) Distribution
- C) Metabolism
- D) Receptor binding
- E) Elimination

■ Answer: Receptor binding