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Course Name : D. Pharm
Year : Second Year
Subject Name : Pharmacology
Topic Name : Drug metabolism

MULTIPLE CHOICE QUESTIONS

1. What is the primary site of drug metabolism in the body?

- a) Liver
- b) Kidneys
- c) Lungs
- d) Skin

Answer: a) Liver

2. Which enzyme is responsible for the majority of drug metabolism in the liver?

- a) Cytochrome P450
- b) Glucuronyl transferase
- c) Sulfotransferase
- d) Acetyltransferase

Answer: a) Cytochrome P450

3. What is the process by which drugs are converted to more water-soluble compounds?

- a) Metabolism
- b) Excretion
- c) Distribution
- d) Elimination

Answer: a) Metabolism

4. Which of the following drugs is metabolized by the enzyme Cytochrome P450?

- a) Warfarin
- b) Theophylline
- c) Digoxin
- d) All of the above

Answer: d) All of the above

5. What is the term for the study of the relationship between drug metabolism and drug response?

- a) Pharmacokinetics
- b) Pharmacodynamics
- c) Pharmaceutics
- d) Pharmacogenomics

Answer: d) Pharmacogenomics

6. Which of the following factors can affect drug metabolism?

- a) Age
- b) Gender
- c) Liver function
- d) All of the above

Answer: d) All of the above

7. What is the term for the process by which drugs are eliminated from the body?

- a) Excretion
- b) Metabolism
- c) Clearance
- d) Elimination

Answer: d) Elimination

8. Which of the following drugs is metabolized by the enzyme Glucuronyl transferase?

- a) Acetaminophen
- b) Aspirin
- c) Ibuprofen
- d) All of the above

Answer: a) Acetaminophen

9. What is the term for the study of the movement of drugs across biological membranes?

- a) Pharmacokinetics
- b) Pharmacodynamics
- c) Pharmaceutics
- d) Transport phenomena

Answer: d) Transport phenomena

10. What term describes the phenomenon where the metabolism of one drug is altered by the presence of another drug?

- A) Drug tolerance
- B) Drug metabolism inhibition
- C) Drug metabolism induction
- D) Drug synergy

Answer: B) Drug metabolism inhibition