

# Pharm.D. Doctor of Pharmacy Practice Test Questions and Answers

## 1. A pharmacophore is best defined as:

- A) The metabolite responsible for drug toxicity
- B) The three-dimensional arrangement of functional groups essential for a drug's biological activity
- C) The total molecular weight of a drug candidate
- D) The site of drug metabolism in the liver

## 2. The FDA MedWatch program is used for:

- A) Registering new drug applications
- B) Voluntary and mandatory reporting of serious adverse drug reactions and product problems
- C) Tracking controlled substance distribution
- D) Managing drug shortage communications

## 3. Alligation medial is used to calculate:

- A) The strength of a mixture of two concentrations of the same drug
- B) The weight of solute in a solution
- C) The osmolarity of an IV solution
- D) The overfill volume in IV bags

## 4. The therapeutic index (TI) is calculated as:

- A)  $TD_{50} / ED_{50}$
- B)  $ED_{50} / TD_{50}$
- C)  $LD_{50} / ED_{50}$
- D)  $ED_{50} / LD_{50}$

**Answers: 1-B 2-B 3-A 4-A**

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