

# Pharmacognosy and Phytochemistry I (BP405T) MCQs

## Industry and Interview-Based Questions for Pharmaceutical Industry

Based on the Pharmacy Council of India B. Pharm Syllabus (2014  
Regulations)

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*Total Questions: 10 / Time: 15 Minutes / Marks: 10 (1 mark each)*

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## 1 Pharmacognosy and Phytochemistry I: Industry-Based MCQs

1. In the pharmaceutical industry, what is the primary purpose of standardizing crude drugs?
  - a) To reduce production costs
  - b) To ensure consistent quality and potency
  - c) To increase drug solubility
  - d) To enhance packaging efficiency

**Answer:** b) To ensure consistent quality and potency

2. Which technique is commonly used in the industry to identify active constituents in herbal drugs?
  - a) High-performance liquid chromatography (HPLC)
  - b) Paper chromatography
  - c) Conductometric titration
  - d) Gravimetric analysis

**Answer:** a) High-performance liquid chromatography (HPLC)

3. During an interview, you are asked about the role of a pharmacognosist in quality control. What would you say?
  - a) Managing hospital pharmacy inventory
  - b) Evaluating the authenticity and purity of herbal raw materials
  - c) Conducting clinical trials
  - d) Designing drug marketing strategies

**Answer:** b) Evaluating the authenticity and purity of herbal raw materials

4. What is the significance of the WHO guidelines in the pharmaceutical industry for herbal drugs?
  - a) They regulate drug pricing
  - b) They provide standards for quality control and safety
  - c) They focus on drug advertising
  - d) They manage clinical trial protocols

**Answer:** b) They provide standards for quality control and safety

5. In the extraction of alkaloids from plant material, which solvent is commonly used in the industry?
  - a) Distilled water
  - b) Methanol
  - c) Sugar syrup

d) Olive oil

**Answer:** b) Methanol

6. What is a key challenge in the pharmaceutical industry when sourcing crude drugs?

- a) High solubility of active constituents
- b) Variability in plant material due to environmental factors
- c) Lack of regulatory guidelines
- d) Excessive standardization

**Answer:** b) Variability in plant material due to environmental factors

7. In an interview, you are asked how to detect adulteration in herbal drugs. Which method is most effective?

- a) Visual inspection only
- b) Microscopic and chemical analysis
- c) pH measurement
- d) Taste testing

**Answer:** b) Microscopic and chemical analysis

8. What is the purpose of a marker compound in herbal drug standardization?

- a) To act as a preservative
- b) To serve as an indicator of quality and identity
- c) To enhance drug flavor
- d) To reduce production time

**Answer:** b) To serve as an indicator of quality and identity

9. In the pharmaceutical industry, what does cGMP compliance ensure for herbal products?

- a) Increased marketing potential
- b) Consistent manufacturing quality and safety
- c) Reduced drug efficacy
- d) Simplified packaging requirements

**Answer:** b) Consistent manufacturing quality and safety

10. During an internship in a pharmaceutical company, what task might you perform related to pharmacognosy?

- a) Conducting surgical procedures
- b) Assisting in the authentication of herbal raw materials
- c) Managing hospital budgets
- d) Performing diagnostic imaging

**Answer:** b) Assisting in the authentication of herbal raw materials