

Interview Questions for Pharmacognosy and Phytochemistry I (BP405T)

Pharmaceutical and Herbal Industry Interview Preparation

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

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Total Questions: 10 / Format: Multiple Choice Questions (MCQs)

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1 Interview Questions for Pharmacognosy and Phytochemistry I

1. How do you ensure the authenticity of herbal raw materials in the production of Ayurvedic formulations? (Himalaya Wellness, 2023)
 - a) By checking the packaging only
 - b) Through organoleptic, microscopic, and chemical evaluations
 - c) By measuring the pH of the raw material
 - d) By conducting clinical trials

Answer: b) Through organoleptic, microscopic, and chemical evaluations

2. What is the role of quantitative microscopy, such as the lycopodium spore method, in quality control of crude drugs? (Dabur India Ltd., 2024)
 - a) To determine the drug's solubility
 - b) To quantify the presence of specific plant constituents
 - c) To enhance drug flavor
 - d) To reduce production costs

Answer: b) To quantify the presence of specific plant constituents

3. Which factor most significantly affects the cultivation of medicinal plants for herbal drug production? (Patanjali Ayurved, 2023)
 - a) Market demand
 - b) Soil type and environmental conditions
 - c) Packaging material
 - d) Drug pricing

Answer: b) Soil type and environmental conditions

4. In the context of pharmacognosy, what is the purpose of evaluating the stomatal index of a crude drug? (Zydus Cadila, 2024)
 - a) To assess the drug's therapeutic efficacy
 - b) To identify and authenticate the plant species
 - c) To measure the drug's shelf life
 - d) To determine the drug's dosage form

Answer: b) To identify and authenticate the plant species

5. How would you detect adulteration in a sample of gum acacia during quality assurance? (Emami Ltd., 2025)
 - a) By performing a taste test

- b) Through chemical tests and microscopic analysis
- c) By checking the drug's color only
- d) By measuring its weight

Answer: b) Through chemical tests and microscopic analysis

6. What is the significance of cGMP compliance in the manufacturing of herbal products? (Sun Pharmaceutical Industries, 2023)

- a) It ensures faster production
- b) It guarantees consistent quality and safety
- c) It reduces the need for quality control
- d) It focuses on marketing strategies

Answer: b) It guarantees consistent quality and safety

7. Which solvent is preferred for extracting alkaloids from plant material in industrial settings? (Baidyanath Ayurveda, 2024)

- a) Water
- b) Ethanol or methanol
- c) Glycerin
- d) Mineral oil

Answer: b) Ethanol or methanol

8. How does the pharmacological classification of crude drugs assist in herbal drug development? (Cipla Ltd., 2023)

- a) It determines the drug's packaging
- b) It groups drugs based on therapeutic activity
- c) It simplifies storage conditions
- d) It reduces production time

Answer: b) It groups drugs based on therapeutic activity

9. What is the role of a pharmacognosist in ensuring compliance with WHO guidelines for herbal medicines? (Dr. Reddy's Laboratories, 2024)

- a) Managing clinical trials
- b) Validating quality control methods
- c) Designing marketing campaigns
- d) Conducting surgical procedures

Answer: b) Validating quality control methods

10. Why is the study of secondary metabolites like alkaloids and glycosides critical in herbal drug formulation? (Phytomed Herbal Products, 2025)
- a) They improve the drug's appearance
 - b) They are responsible for therapeutic activity
 - c) They reduce manufacturing costs
 - d) They simplify drug storage

Answer: b) They are responsible for therapeutic activity