

# Question Paper

Exam Date & Time: 29-Apr-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

Pharmacognosy [PCO-ER20-13T-S1]

Marks: 80

Duration: 180 mins.

### MCQs

Answer all the questions.

Section Duration: 30 mins

20 Q x 1 mark = 20 marks

- 1) A German scientist Seydler coined the word Pharmacognosy in the year (1)
- [1814](#)  
[1815](#)  
[1816](#)  
[1817](#)
- 2) In Greek, the meaning of the word Pharmakon is (1)
- [Adulterant](#)  
[Substitute](#)  
[Drug](#)  
[Spurious](#)
- 3) In alphabetical classification, crude drugs are studied according to their (1)
- [Alphabets](#)  
[Taxonomy](#)  
[Morphology](#)  
[Chemotaxonomy](#)
- 4) Exhausted drugs are called after (1)
- [Cultivation of medicinal plants](#)  
[Collection of required part of plants](#)  
[Removal of constituents](#)  
[Drying the plant material](#)
- 5) Properly cut and shaped which wood is used as adulterant for Nutmeg (1)
- [Bass](#)  
[Quassia](#)  
[Sandal](#)  
[None of these](#)
- 6) Pieces of lime stone are used to adulterate (1)
- [Myrrh](#)  
[Asafoetida](#)  
[Benzoin](#)

- [Colophony](#)
- 7) Pitta means in Ayurveda (1)
- [Biological air](#)  
[Biological secretions](#)  
[Biological fire](#)  
[Biological movements](#)
- 8) Enbu in Siddha system of medicine means (1)
- [Kidney](#)  
[Heart](#)  
[Lungs](#)  
[Bone](#)
- 9) Aloe vera gel is extracted from which part of the plant? (1)
- [Leaf](#)  
[Root](#)  
[Rhizome](#)  
[Bark](#)
- 10) Sandal wood oil belongs to the family (1)
- [Solanaceae](#)  
[Leguminosae](#)  
[Liliaceae](#)  
[Santalaceae](#)
- 11) Ephedrine is an example of (1)
- [True alkaloid](#)  
[Proto alkaloid](#)  
[Pseudo alkaloid](#)  
[Steroidal alkaloid](#)
- 12) Isapgol belongs to the family of (1)
- [Leguminosae](#)  
[Scrophulariaceae](#)  
[Combretaceae](#)  
[Plantaginaceae](#)
- 13) Cinnomum zeylanicum is commercially known as (1)
- [Ceylon Cinnamon](#)  
[Chinese Cinnamon](#)  
[Saigon Cinnamon](#)  
[Java Cinnamon](#)
- 14) Unpleasant (bug like) odour of coriander is due to (1)
- [Coriandrol](#)  
[Fenchone](#)  
[Trans-tridecenal](#)  
[Piperine](#)
- 15) Vinca is also known as (1)
- [Foxglove](#)

[Deadly Nightshade](#)  
[Madagascar Periwinkle](#)  
[Chota Chand](#)

16) Ovis aries is the source of (1)

[Cotton](#)  
[Silk](#)  
[Wool](#)  
[Viscose Rayon](#)

17) Arthrospira platensis is the botanical source of (1)

[Soybean](#)  
[Spirulina](#)  
[Garlic](#)  
[Tomato](#)

18) Alpha-linolenic acid (ALA) is also known as (1)

[Omega-3 fatty acid](#)  
[Omega-6 fatty acid](#)  
[Omega-9 fatty acid](#)  
[Omega-7 fatty acid](#)

19) Steroids are identified by means of (1)

[Biuret test](#)  
[Liebermann-Burchard test](#)  
[Keller Kiliani test](#)  
[Shinoda test](#)

20) Following is the test used to distinguish true tannins from pseudo tannins (1)

[Ferric chloride test](#)  
[Gelatin test](#)  
[Gold Beaters skin test](#)  
[Phenazone test](#)

### Long Answers

**Answer all the questions.**

6 Q x 5 marks = 30 marks

- 1) What are Oxytocics? Give the source, chemical constituents, uses and explain the life cycle of Ergot. (5)
- 2) Differentiate between antiseptics and disinfectants. Give the source, active constituents and uses of Benzoin and Myrrh. (5)
- 3) What are Pharmaceutical aids? Give the source, chemical constituents, and uses of ANY TWO gummy drugs and a protein drug. (5)
- 4) What are Laxatives. Give the source, family, active constituents, and uses of Senna and Aloes (5)
- 5) Enumerate drugs acting on nervous system. Give the source, constituents and uses of Belladonna and Opium (5)
- 6) What are Astringents? Classify them with examples. Give the chemical tests for Black catechu (5)

### Short Answers

**Answer all the questions.**

10 Q x 3 mark = 30 marks

- 1) Define evaluation of crude drugs and add a note on chemical evaluation. (3)
- 2) Briefly discuss the various basic principles involved in Ayurveda. (3)
- 3) Give the method of preparation of Asava and Arista. (3)
- 4) Distinguish between Organised and Unorganised crude drugs. (3)
- 5) Write the source, chemical constituents, preparation, marketed preparations and uses of Aloe vera gel. (3)
- 6) What are Volatile oils? Describe the Enfleurage and Ecuelle extraction methods. (3)
- 7) What is Catgut? Differentiate non-boilable and boilable Catgut. (3)
- 8) Describe Probiotics, Prebiotics, and PUFA with examples (3)
- 9) Give one identification test each for the presence of alkaloid, protein, and mucilage (3)
- 10) Differentiate Cinnamon from Cassia (3)

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