

# Question Paper

Exam Date & Time: 18-May-2023 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal

DPharm Part-I Examination - May 2023

Subject: Pharmacognosy  
(ER20-13T)

Pharmacognosy [PCO-ER20-13T-S2]

Marks: 80

Duration: 180 mins.

### MCQs

Answer all the questions.

Section Duration: 30 mins

20 Q x 1 mark = 20 marks

- 1) The work "Analecta Pharmacognostica" is related to which of the following German scientist? (1)

[William withering](#)

[Nicolas Lemery](#)

[Christian Friedrich Samuel](#)

[Hahnemann](#)

[Saydler](#)

- 2) Swedish botanist and physician classified the plants and introduced the system of naming the plant known as binomial system (1)

[Bentham & Hooker](#)

[Swede Linnaeus](#)

[Berg](#)

[Sertuner](#)

- 3) "Shalya Tantra" in Ayurveda means (1)

[Toxicology](#)

[Psychiatry](#)

[Surgery](#)

[Internal medicine](#)

- 4) Galenical Pharmacy is a (1)

[Branch dealing with extraction](#)

[Branch dealing with study of animal kingdom](#)

[Branch dealing with study of minerals](#)

[Branch dealing with study of plant pathogens](#)

- 5) Sodana, Bhavana and Marana process is related to (1)

[Churna](#)

- [Bhasma](#)  
[Lehya](#)  
[Taila](#)
- 6) "Olea europaea" is the botanical source of (1)
- [Lavander oil](#)  
[Salad oil](#)  
[Almond oil](#)  
[Sandal wood oil](#)
- 7) Garlic is a good spice and it also have (1)
- [CNS stimulant action](#)  
[Aphrodisiac action](#)  
[Antimalarial action](#)  
[CNS depressant action](#)
- 8) Green tea contains (1)
- [Lignans](#)  
[Flavonoids](#)  
[Beta-carotene](#)  
[None of the above](#)
- 9) Loss on drying gives a direct measurement of (1)
- [Refractive index](#)  
[Melting point](#)  
[Moisture content](#)  
[Density](#)
- 10) Which of the following is NOT a shape of the bark? (1)
- [Channelled](#)  
[Double Quill](#)  
[Recurved](#)  
[Acuminate](#)
- 11) Confirmatory test for Tannins is \_\_\_\_\_ (1)
- [Borntrager's test](#)  
[Ferric chloride test](#)  
[Hager's test](#)  
[Millon's test](#)
- 12) Sodium alginate belongs to the family (1)
- [Laminariaceae](#)  
[Leguminosae](#)  
[Umbelliferae](#)  
[Polygonaceae](#)
- 13) Chemically Glutin is (1)
- [Carbohydrate](#)  
[Alkaloid](#)  
[Protein](#)

- 14) [Tannin](#)  
Example for disintegrating agent is (1)
- [Gelatin](#)  
[Starch](#)  
[Agar](#)  
[Acacia](#)
- 15) Bassorin is the active constituent of which of the following crude drug (1)
- [Gelatin](#)  
[Agar](#)  
[Bees wax](#)  
[Tragacanth](#)
- 16) Example for Oxytocic crude drug (1)
- [Datura](#)  
[Ergot](#)  
[Honey](#)  
[Sodium alginate](#)
- 17) An example for solanaceous alkaloid (1)
- [Quinine](#)  
[Morphine](#)  
[Atropine](#)  
[Pilocarpine](#)
- 18) Anthracene glycosides are present in (1)
- [Digitalis](#)  
[Ipecac](#)  
[Vasaka](#)  
[Senna](#)
- 19) Example for Phenanthrene alkaloid (1)
- [Linalool](#)  
[Quinine](#)  
[Morphine](#)  
[Reserpine](#)
- 20) Castor oil is a (1)
- [Volatile oil](#)  
[Fixed oil](#)  
[Wax](#)  
[oleo resin](#)

### Long Answers

**Answer all the questions.**

6 Q x 5 marks = 30 marks

- 1) What are Glycosides? Classify them with examples. Give the chemical tests for Glycosides (5)
- 2) Give the source, method of preparation, chemical constituents and uses of Wool (5)
- 3) What are crude drugs. Explain the Alphabetical and Pharmacological classification of crude drugs with their merits and demerits (5)

- 4) Define adulteration. Explain Admixture, Sophistication, Deterioration and Spoilage condition (5)
- 5) Explain various leaf constants with examples. (5)
- 6) Discuss basic principle involved in Ayurveda (5)

**Short Answers**

**Answer all the questions.**

10 Q x 3 mark = 30 marks

- 1) What are Antitussives? Write a note on Vasaka (3)
- 2) Differentiate between Black catechu and Pale catechu (3)
- 3) Give the source, chemical constituents and uses of Shark liver oil (3)
- 4) What are Tannins? Classify them with examples (3)
- 5) Differentiate between Sumatra and Siam Benzoin (3)
- 6) Extractive value (3)
- 7) Give the source, chemical constituents and uses of spirulina. (3)
- 8) Aloe vera in herbal cosmetics (3)
- 9) What are Antioxidants? List out various source of antioxidants. (3)
- 10) Lycopodium spore method (3)

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