

**GOVERNMENT OF KARNATAKA
BOARD OF EXAMINING AUTHORITY
D, PHARM PART I EXAMINATION (ER – 2020) JANUARY 2024**

PHARMACOGNOSY

TIME: 3 HOURS.

MAX MARKS: 80

- Note:** i. Answer 6 from Section A, 10 from Section B and all questions from Section C.
ii. Draw diagrams wherever necessary.
iii. Answer to the point for objective type.

SECTION A

6X5=30M

LONG ESSAY (Answer any 6)

1. Define crude drugs. Briefly explain chemical classification with examples.
2. Write a note on history and Scope of Pharmacognosy.
3. Write the biological source, chemical constituents and therapeutic uses of each drug belonging to
a) Myristicaceae b) Apocynaceae
4. Define Volatile oils. Classify them with suitable examples. Enlist the isolation methods of volatile oils.
5. Explain the basic principle involved in the traditional system of Medicine practiced in India.
6. Briefly enumerate the different types of adulteration of crude drugs with examples.
7. Define antiseptics and disinfectants. Write the botanical source, family. Chemical constituents of any two drugs of this category.

SECTION B

10X3=30M

Short essay (Answer any 10)

8. Write the Biological Source, family, chemical constituents and therapeutic uses of cotton.
9. Write in brief various physical evaluation of drugs in quality control.
10. Enumerate the various Ayurvedic formulations and write the preparation of Avaleha
11. Write a note on Carotenoids and its therapeutic uses as health foods.
12. Write the chemical name and category of a) Clove b) Ashwagandha c) Senna.
13. Give the chemical tests for Saponin glycosides.
14. Define Antitussives and Antirheumatics give examples for each.
15. Enumerate the various herbal cosmetic formulations with examples.
16. Write the morphological classification of crude drugs with merits and demerits.
17. Give the biological source, chemical constituents and uses of Papan and gelatin.
18. Explain the strategy to improve trade of medicinal plants and their products.

SECTION C

20X1=20M

Objective Type (Answer all question)

19. Define Stomatal index.
20. Define vitamins.
21. Name any two flavouring agents.
22. Name the biological source and family of Clove flower bud.
23. Define Suture and Ligature.
24. Write the Biological role of Soyabeans.
25. Give the chemical test for Quinine.
26. Mention the uses of Nuxvomica and Gymnema.
27. Define alkaloids.
28. What are astringents and give examples.
29. Give one example for Probiotics and Prebiotics.
30. Mention the chemical tests for tannins.
31. The chief chemical constituents present in cardamom is -----
32. Rauwolfia is used as ----- agent.
33. The family of Aloe vera is -----
34. The Azeotropic / solvent distillation is used to determine ----- content in drugs.
35. Match the following

- A**
- i) 1. Arjuna
 - ii) 2. Clove oil
 - iii) 3. Polyunsaturated fatty acid
 - iv) 4. Pale catechu

- B**
- i) Gambier fluorescein test
 - ii) Oxytocic
 - iii) Carcinogenic
 - iv) Dental analgesic
 - v) Haemolysis
 - vi) Nutraceuticals
