

Ref no: Ex/PHARM/T/414/2023

B. PHARM. 4th YEAR FIRST SEMESTER EXAM 2023
SUBJECT: PHARMACOGNOSY II

Time: 3 hours
Total marks: 100

(Answer any five taking at least two questions from each group)
Use separate answer scripts for each group

Group A

1. Write an explanatory note on plant sweeteners. 20
2. Write down the botanical sources, chemical constituents, and uses of Rauwolfia, Cinchona, and Ipecac. What is the standard compound for bitterness value? (6 x 3) + 2 = 20
3. Write notes on 4 x 5 = 20
 - a) The life cycle of ergot
 - b) Microscopic features of Cinchona
 - c) Chemical tests for Nux vomica and Cinchona
 - d) Pseudoalkaloids
4. Explain schematically the isolation process of alkaloids. Give examples of some plant bitters. Explain schematically the role of dietary antioxidants that prevent oxidative-damage-mediated pathogenesis. 8 + 4 + 8 = 20

Group B

Instructions: Answer five questions, taking at least two questions from each group.

1. What is crude drug adulteration? Discuss in details about the possible way of crude drug adulteration generally adopted. 20
2. Write the procedure of Thin Layer Chromatographic study to characterize the medicinal plant extracts. 20
3. Write notes on : a) Unorganized crude drugs
b) Classification of glycoside containing crude drugs. 10x2 =20