

Roll No.

Sub Code: BP504T

B PHARM (SEM-V)
THEORY EXAMINATION 2021-22
PHARMACOGNOSY AND PHYTOCHEMISTRY-II

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections.

SECTION A

Very Short Answer (Attempt all questions)

10 x 2 = 20

- a. Enlist general chemical tests for terpenoids.
- b. Write specific identification test for caffeine.
- c. Enlist therapeutic and commercial applications of senna and vinca.
- d. Write applications of chromatography in the identification of crude drugs.
- e. What are applications of amino acid pathway?
- f. Enlist biosources of catechu and Asafoetida.
- g. Write composition and therapeutic uses of gentian and benzoin
- h. Write a short note on estimation of sennosides.
- i. Enlist various different species of senna.
- j. Write a short note on chemical tests for resins.

SECTION B

Short Answer (Attempt any 5 questions)

5 x 7 = 35

- a. Write a detailed note on Shikimic Acid Pathway.
- b. Discuss chemistry and commercial applications of Lignans.
- c. Describe isolation and Analysis of Curcuma.
- d. Describe Industrial production and estimation of Artemisinin.
- e. Application of HPTLC on the isolation and identification of crude drugs.
- f. Write composition, chemical class and therapeutic uses of pterocarpus.
- g. Discuss about isolation of Rutin and Citral.

SECTION C

Long Answer (Attempt any 2 questions)

2 x 10 = 20

- a. Write about application of Chromatographic techniques in the isolation, purification and identification of crude drugs.
- b. Industrial production, estimation and utilization of caffeine and forskolin
- c. Isolation, Identification and Analysis of Menthol.