

Ref. No.: Ex/BP504T/2023(S)

B. Pharm. 3rd year 1st semester Supplementary examination 2023

Subject: Pharmacognosy and Phytochemistry II

Time: 3 hours

Full marks: 75

(Answer any 5 questions taking at least 2 from each group)

Group A

1. Explain schematically the shikimic acid biosynthetic pathway. Discuss any one method to detect the biosynthetic pathways of plant metabolites. 7 + 8 = 15

2. Write down the isolation of caffeine, quinine and curcumin. 5 x 3 = 15

3. Write notes on
 - a) Biosynthesis of terpenes
 - b) Estimation of quinine
 - c) Isolation of rutin 7 + 4 + 4 = 15

[Turn over

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Name of the Examinations: B. PHARMACY THIRD YEAR FIRST SEMESTER SUPPLEMENTARY EXAM - 2023

Subject : PHARMACOGNOSY AND PHYTOCHEMISTRY II

Time : 3 Hours

Full Marks : 75

Group : B

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

1. Define and classify tannin. Write the source, chemical constituents and use of tannin. 15
2. What is extraction? How will you extract the crude drugs by using Soxhlet apparatus? 15
3. Write the source , chemical constituents and uses of Belladonna and Opium 15
4. Give the general information about senna including its chemical test. 15.