

M. PHARM. FIRST YEAR, FIRST SEMESTER EXAM 2025
SUBJECT: PHYTOCHEMISTRY

Time: 3 hours

Full marks: 75

Answer any 5 questions taking at least two from each group

Group – A

1. Write down schematically the biosynthesis of ephedrine and berberine. 7.5 x 2 = 15
2. Discuss isolation, characteristic features and identification tests of sennosides. 15
3. Explain schematically biosynthesis and isolation of quercetin. 15
4. Discuss the methods of isolation of the taxol, digitoxin and glycyrrhizin. 5 x 3 = 15

Group B

1. What is extraction? Give the various procedure of extraction generally adopted in the laboratory. 15
2. Discuss in details about the various approach of drug discovery from plant sources. 15
3. Write the selection and optimization of lead compound with suitable example. 15