

M. Pharm. 2nd semester Examination 2017

Subject: Pharmacognosy III

Time: 3 hours

Full Marks: 100

(Answer any five taking at least 2 from each group)

Group A

1. Mention different methods of detection of biosynthetic pathways in plant. Describe any one of these with suitable explanation. 20
2. Write down the biosynthetic pathways for flavonoids and isoflavonoids. 20
3. Describe schematically the general biosynthetic frame of important amino acids. 20
4. Describe the predicted biosynthesis of (any two) 20
 - a. Geranyl pyrophosphate
 - b. Ephedrine
 - c. Chichona alkaloids

M. PHARMACY FIRST YEAR SECOND SEMESTER EXAM 2017

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GROUP - B

Answer five questions, taking at least two from each group, all question carry equal mark

- 5. Discuss in details about the commercial production of Opium and Digitalis 20**
- 6. Write the Thin Layer Chromatographic characterization of medicinal plant extracts for standardization. 20**
- 7. Give an idea about the preparation and standardization of herbal formulation. 20**