

**III B. Pharmacy I Semester Supplementary Examinations, May - 2019**  
**PHARMACOGNOSY-II**

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
 2. Answering the question in **Part-A** is Compulsory  
 3. Answer any **FOUR** Questions from **Part-B**

**PART-A**

1. a) What are anthraquinone glycosides? (2M)
- b) Write Biological source and uses of nicotine. (2M)
- c) Write the source and uses of fennel. (2M)
- d) Write in brief on uses of papain. (2M)
- e) Write in brief on Chemical constituents of Clove. (2M)
- f) What is radio-labeled metabolite analysis? (2M)
- g) Write applications of marigold. (2M)

**PART-B**

2. a) What are saponin glycosides? Write in detail on Liquorice. (7M)
- b) Discuss the Pharmacognosy of Digitalis. (7M)
3. a) Discuss the life cycle of ergot. (7M)
- b) Write in detail on Pharmacognosy of cinchona. (7M)
4. Write in detail on Pharmacognosy of (14M)  
 (a) Coriander (b) Cinnamon
5. Explain the pharmacognosy of (14M)  
 (a) Diastase (b) Pancreatin
6. a) What are secondary metabolites? Write their importance in pharmacy. (6M)
- b) Discuss the biosynthesis of atropine. (8M)
7. Write in detail on (14M)  
 (a) Cotton (b) Silk