

Subject Code: B132203/R13

II B. Pharmacy II Semester Regular Examinations April - 2017

PHARMACOGNOSY-II

Time: 3 hours

Max. Marks: 70

Question Paper Consists of **Part-A** and **Part-B**
 Answering the question in **Part-A** is Compulsory,
 Three Questions should be answered from **Part-B**

PART-A

1. (a) What is Modified Borntragers test?
- (b) Mention the pharmaceutical applications of natural dyes.
- (c) What is the importance of Shikimic acid pathway?
- (d) What are C23 and C24 glycosides and write its physical and chemical properties?
- (e) Give a neat labelled transverse section of Ephedra.
- (f) Give the procedure for the preparation of Diastase. [3+3+4+4+4+4]

PART-B

2. (a) Write the Pharmacognostic study of Senna
(b) Write the biological source, chemical constituents of Digitalis. [12+4]
3. (a) Write the Pharmacognostic study of cinchona.
(b) Write the chemical constituents of Rauwolfia and Vinca. [12+4]
4. (a) What are resins? Classify them with examples.
(b) Write the Pharmacognostic study of Gambir [4+12]
5. Give the biological source, preparation, identification tests of
(a) Papain
(b) Pepsin [16]
6. (a) Explain the general techniques involved in the biosynthetic studies.
(b) Add a note on the biosynthesis of steroids [10+6]
7. Write the biological source, chemical constituents, identification tests and medicinal uses for the following.
(i) Cotton (ii) Turmeric (iii) Flax (iv) Henna [16]
