

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

**Paper ID : 150414**

Roll No.

**B. PHARM.**

**Theory Examination (Semester-IV) 2015-16**

**PHARMACOGNOSY-II**

*Time : 3 Hours*

*Max. Marks : 100*

**NOTE: Attempt all questions.**

**1. Attempt any FOUR of the following: (4×5=20)**

- (a) Define balsams? Write official source, chemical constituent and uses of Benzoin.
- (b) Write official source, chemical constituent and uses of Capsicum.
- (c) Write a brief note on Podophyllum.
- (d) Give chemical constituent, chemical test and uses of Ginger.
- (e) Write a note on narcotic products from Cannabis.

**2. Write a detailed note on any TWO of the following : (10×2=20)**

- (a) Clove
- (b) Fennel
- (c) Mentha

**3. Answer any TWO of the following: (10×2=20)**

- (a) Define alkaloids. Classify it and also mention its extraction and isolation procedure with chemical test.
- (b) What do you understand by the term Phytochemical screening. Classify Saponins and explain chemical test for their identification.
- (c) What are cardiac glycosides? Differentiate between Cardenolide and Bufadenolide with their chemical structure.

**4. Attempt any two of the following: (10×2=20)**

- (a) What are fibres? Classify them. Write a detailed note on any one animal origin fibre.
- (b) Write a note on:
  - i. Natural colors
  - ii. Bentonite

- (c) Give official source, method of preparation and uses of Gelatin.

**5. Attempt any FOUR of the following: (4×5=20)**

- (a) What are tannins? Classify them with suitable examples
- (b) Differentiate between Hard and Baheda.
- (c) Write a brief note on Arjuna bark.
- (d) Write utilization of sandalwood oil and lemongrass oil.
- (e) Describe the role of aromatic plants in national economy.