

NIRMA UNIVERSITY
Institute of Pharmacy

(B. Pharm)
(Semester - V)

L	T	P	C
-	-	4	2

Course Code	BP508 P
Course Title	Pharmacognosy and Phytochemistry II- Practicals

Syllabus:

Teaching hours: 60 Hours

1. Morphology, histology and powder characteristics & extraction & detection of: Cinchona, Cinnamon, Senna, Clove, Ephedra, Fennel and Coriander
2. Exercise involving isolation & detection of active principles
 - a. Caffeine - from tea dust.
 - b. Diosgenin from Dioscorea
 - c. Atropine from Belladonna d. Sennosides from Senna
3. Separation of sugars by Paper chromatography
4. TLC of herbal extract
5. Distillation of volatile oils and detection of phytoconstitents by TLC
6. Analysis of crude drugs by chemical tests:
 - (i) Asafoetida (ii) Benzoin (iii) Colophony (iv) Aloes (v) Myrrh

L= Lecture, T= Tutorial, P= Practical, C= Credit

^ this is not an exhaustive list
