

PHARMACOGNOSY – II (3rd SEM.)

THEORY 3 hours/week

MODULE-I

1. **Volatile Oils:** General methods of extraction of volatile oils from plants, Study of biological source, chemical constituents, chemical tests and uses of volatile oils of Mentha, Lemon peel, Orange peel, Lemon grass, Citronella, Caraway, Dill, Nutmeg, Chenopodium, Valerian, Musk, Palmarosa, Gaultheria.. Detailed Pharmacognosy of Clove, Coriander, Fennel, Sandal wood, Cardamom, Cinnamon and Eucalyptus.

MODULE-II

2. Historical perspectives, prospects for development of plant biotechnology as source of medical agents. Applications in pharmacy and allied fields.

MODULE-III

3. Natural allergens and photosensitizing agents.
4. Antioxidants from plant origin. i.e. Ginkgo biloba, Green Tea, Garlic, momordica, Tomata.

MODULE-IV

5. **Fibres:** Study of fibres used in pharmacy such as cotton, silk, wool, nylon, glass wool, polyester and asbestos.

MODULE-V

6. **Pharmaceutical aids:** Study of pharmaceutical aids like talc, diatomite, kaolin, bentonite, gelatin and natural colors (Turmeric, Saffron, Anato, Caramel, Cocheneal).

RECOMMENDED BOOKS:

1. Text Book of Pharmacognosy by Kokate C K, Purohit A P, Gokhale S B (Nirali Prakashan, Pune)
2. Trease G.E. and Evans W.C., Pharmacognosy (Bailliere Tindall, Eastbourne)
3. Text Book of Pharmacognosy by T.E.Wallis.(CBS Publishers, New Delhi)
4. Tyler V.E., Brady L.R. and Robbers J.E., Pharmacognosy (Len & Febiger, Philadelphia)
5. Rangari V D., Text book of Pharmacognosy Vol-I & II.
6. Text Book of Pharmacognosy by S.S.Honda,, V.K Kapoor
7. . Text Book of Industrial Pharmacognosy by A. N. Kalia