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B. Pharmacy (Ayurveda) 5th Semester Examination
Pharmacognosy-II

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Time : 3 Hours

Max. Marks : 90

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any Five questions.

1. (a) What are volatile oils? How they differ from fixed oils? Give the application of volatile oil in pharmacy. (9)
- (b) Give the production of *any one* :
 - (i) Sandal wood oil
 - (ii) Lemongrass oil (9)
2. (a) Describe glycosides. Give their identification chemical tests. (9)
- (b) What are anthraquinone glycosides? Explain the constituents and uses of (i) Aloe (ii) Senna (9)
3. (a) What are Alkaloids? Give various chemical tests for identification of alkaloids. (9)
- (b) Explain the different types of alkaloids and give the constituents of opium with their therapeutic uses. (9)
4. Give the source, chemical constituents and therapeutic uses of *any three*:
 - (a) Ashwagandha
 - (b) Vasaka

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(c) Kalmegh

(d) Ashoka

(e) Jatamansi

(18)

5. Write short notes on *any two*:

(a) Eucalyptus oil

(b) Datura

(c) Digitalis

(d) Clove

(18)

6. Give the procedure for study of crude drugs identification and explain how adulterants are identified. **(18)**

7. Give Botanical source including alternative & controversial sources, chemical constituents and uses of *any two*:

(a) Behera

(b) Shankhapushpi

(c) Amla

(18)