

16327(J) June-16

**B. Pharmacy (Ayurveda) 4th Semester Examination**

**Pharmacognosy of Ayurvedic Drugs-II (NS)**

**BPA-423**

**Time : 3 Hours**

**Max. Marks : 80**

*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 all questions.

Answer any ten:

- (i) Draw the chemical structure of Vasicine and Berberine.
- (ii) Give example of two Tropane alkaloid containing crude drugs.
- (iii) Give biological source of Ephedra and Ativisha.
- (iv) Write physical properties of volatile oil.
- (v) Give two examples of fixed oils
- (vi) How you will differentiate fixed oil and volatile oils?
- (vii) Draw the diagram of uni-serate multicellular trichome.
- (viii) Give definition of stomatal index.
- (ix) Biological source of any two anticancer drugs.
- (x) Give chemical constituents of Kutaja.
- (xi) Draw the chemical structure of Guggulu sterol and Curcumine.
- (xii) Give uses of Jyotishmati and Kulanjana. (10×2=20)

[P.T.O.]

2. Write a note on:
  - (i) Nimba
  - (ii) Natural Allergens (10)
3. Answer the followings:
  - (i) Write a note on evaluation of crude drug by morphology study.
  - (ii) Enlist the factors affecting drug constituents and give detail note on extrinsic factors which affect the drug constituents. (10)
4. Answer the followings:
  - (i) Write a detail note on Trivrit.
  - (ii) Short note on Adaptogenic drugs. (10)
5. Give Biological sources, morphology, microscopy, chemical constituents, uses and adulteration of Shankhapuspi. (10)
6. What is quantitative microscopy? Why it is important in drug evaluation? Explain with example. (10)
7. Give biological source, chemical constituents and uses of Musta and Ahiphena. (10)