

[Total No. of Questions - 7] [Total No. of Printed Pages - 2]  
(2064)

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**B. Pharmacy (Ayurveda) 4th Semester Examination**  
**Pharmaceutical Analysis of Ayurvedic Drugs-I (N.S.)**  
**BPA-421**

**Time : 3 Hours**

**Max. Marks : 70**

*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 :** Question 1 is compulsory. Candidates are required to attempt any five questions out of remaining six.

1. Answer followings:

- (i) Differentiate HPTLC and GLC.
- (ii) Differentiate oils and fats.
- (iii) What are bioassays?
- (iv) What is ash value?
- (v) Differentiate tablets and pills.
- (vi) Give uses of avaleha.
- (vii) Enlist methods to determine sugar content.
- (viii) Enlist methods to determine volatile oil content.
- (ix) How refractive index can be determined?
- (x) What are extractive values? (2×10=20)

2. Explain methods of analysis of tablets and arishtas. (10)

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3. Give methods to determine alcohol content. (10)
4. Write notes on–
  - (i) Methods to study toxicity of ayurvedic drugs.
  - (ii) Heavy metal toxicity. (2×5=10)
5. Write notes on (Any two)
  - (i) Particle consistency & total solid content.
  - (ii) Bioassays.
  - (iii) Analysis of ayurvedic drugs. (2×5=10)
6. Discuss methodology involved in analysis of sugar contents. (10)
7. Write notes on–
  - (i) Fluorescence analysis
  - (ii) Chromatographic techniques
  - (iii) Asvas and oil ghritas. (10)