

[Total No. of Questions - 9] [Total No. of Printed Pages - 3]
(2067)

17460(M)

MAY 2017

B. Pharmacy (Ayur.) 4th Semester Examination

Pharm. Analysis of Ayurvedic Drugs-I (CBS)

BPA-401

Time : 3 Hours

Max. Marks : 60

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 five questions in all. Select one question each from Section A, B, C, D. Section E is compulsory.

SECTION - A

1. (a) Discuss the analytical parameters of Ayurvedic solid dosage formulations in detail.
(b) Explain following physico-chemical parameters along with examples.
(i) Total ash content (ii) Extractive values. (6+3+3=12)
2. (a) Determine the different physico-chemical parameters of solid dosage formulations.
(b) What are the limits of % wt. loss on drying for churna and satava?
(c) What is the importance of ash value in determining the purity of drugs? (6+3+3=12)

SECTION - B

3. (a) Write a short note on (i) Co-solvency (ii) Solubilization (iii) Preservation.

2

17460

- (b) Define optical activity. Give any two methods for determination of optical activity prescribed by Ayurvedic Pharmacopoeia of India. (2+2+2+6=12)
4. (a) Explain different physico-chemical parameters of liquid dosage formulations.
(b) Write a short note on:
(i) Volatile oil content.
(ii) Boiling point. (6+3+3=12)

SECTION - C

5. (a) Discuss various methods of analysis for raw materials.
(b) Explain physico-chemical parameters of Ayurvedic Gaseous dosage formulations. (6+6=12)
6. (a) Write a short note on quality control for pharmaceutical aerosols.
(b) Explain the propellants used in the gaseous formulations. (6+6=12)

SECTION - D

7. (a) Explain methods to study the toxicity of different ayurvedic herbal formulations.
(b) Explain limits for toxicity studies as per WHO guidelines for mercury and lead. (6+6=12)
8. (a) Explain different reported methods for evaluation of toxicity in ayurveda.
(b) Explain limits for toxicity studies as per WHO guidelines for arsenic. (6+6=12)

[P.T.O.]

SECTION - E

9. Explain the followings :

- (i) Optical rotation.
- (ii) Moisture content.
- (iii) Gutika.
- (iv) Arka.
- (v) Churna.
- (vi) Sulphated ash.
- (vii) Acid value.
- (viii) Viscosity.
- (ix) Expand the term WHO and where is it located?
- (x) Herbal formulation must be free from salmonella true/false?
- (xi) What is the permissible microbial limits as per WHO guidelines?
- (xii) Give the formula to calculate limits of pesticide residue?
(12×1=12)