

[LD 4221]

AUGUST 2013

Sub. Code: 4221

FOURTH YEAR B.PHARM. EXAM

(Re-Revised Regulations) Candidates Admitted up to 2003-04

Paper I – CHEMISTRY OF NATURAL PRODUCTS

Q.P. Code : 564221

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. a) Define alkaloids. Give the chemical classification of alkaloids.
b) Explain the salient structural features of Rauwolfia alkaloids and their biological significance.
c) Write the method of isolation and identifying test for alkaloids
2. a) Classify terpenoids with suitable example
b) Discuss the constitution of Menthol.
c) Give the methods for synthesizing camphor

II. Write notes on:

(8X5=40)

1. How will you synthesize uric acid.
2. Define acid value. How will you determine.
3. Write a note on antifungal antibiotics.
4. Write notes on cardiac glycosides.
5. Classify carbohydrates and write about its configuration.
6. Write briefly about estrogens.
7. Write general characteristics of proteins.
8. Discuss the structure of Amygdalin.

III. Short Answers:

(10X2=20)

Write the structure and medicinal uses of

1. Thiamine
2. Reserpine
3. Retinol
4. Salicin
5. stilbestrol

Define the following terms with example:

6. vitamin
7. Steroids
8. Glycosides
9. Amino acids
10. Purines
