

FEBRUARY 2011

[KY 745]

Sub. Code : 4236

THIRD B.PHARM. DEGREE EXAMINATION.

(Regulation 2004) Candidates Admitted from 2004–05

Paper I — PHARMACOGNOSY AND PHYTOCHEMISTRY

Q.P. Code : 564236

Time : Three hours

Maximum : 90 marks

I. Essay Questions :

Answer any TWO questions.

(2 x 20 = 40)

1. Write the collection, Preparation for the market source, family, constituents and uses of.
 - (a) Cardamom
 - (b) Aloes
2. (a) Discuss the method of preparation of starch from different sources
(b) Write a note on balsamic resinous drugs.
3. Briefly discuss various systems of classification of crude drugs from natural origin with example.

II. Write Short notes :

Answer any EIGHT questions

(8 x 5 = 40)

1. Application by Plant growth regulations.
2. Macroscopy and Microscopy of ephedra.
3. Detection of Adulterants in crude drugs.
4. Note on :
 - (a) Keller-Kiliani test
 - (b) Borntrager's test.
5. Macroscopy and Microscopy of cinchona.

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6. Give the source, family, constituents and tests for identification and uses of senna.
7. Note on Ginger.
8. Write the chemical tests for identifying the following :
 - (a) Belladonna
 - (b) Opium.
9. Give an example for drug containing both 'O' and 'C' Glycosides.
10. Give anatomical details with neat diagram of Datura.

III. Write Short Answers:

Answer any FIVE questions.

(5 x 2 = 10)

1. Adulterants and substituents of Nuxvomica.
2. Chemical constituents and uses of cinchona.
3. Chemical constituents and uses of Rauwofia.
4. Difference between volatile and fixed oil.
5. Define Pharmacognosy.
6. Source, family, constituents and uses of Agar.
7. What are ash and extractive values?
