



(LF 4261)

AUGUST 2014

Sub. Code: 4261

**THIRD YEAR B.PHARM. EXAM  
PAPER I – PHARMACOGNOSY AND PHYTOCHEMISTRY**

*Q.P. Code: 564261*

**Time: Three hours**

**Maximum: 100 marks**

**I. Essay:**

**(2X20=40)**

1. Describe the microscopical characters, cultivation, collection, chemical tests, substitutes and adulterants of Cinnamon.
2. Discuss different types of adulteration of crude drugs. How will you evaluate crude drugs by microscopical and physical methods with examples?

**II. Short notes:**

**(8X5=40)**

1. Define natural pesticide. Explain any two
2. Differentiate Tolu balsam and peru balsam
3. Explain chemical classification of crude drugs with suitable examples
4. Discuss the natural colours used in pharmacy
5. Manufacture of clove oil
6. Chemical test for acacia
7. Allied drugs and substitutes used in senna
8. Describe the cultivation and collection of opium

**III. Short answers:**

**(10X2=20)**

1. Chemical tests for saponins
2. Spirulina
3. Gelatin sponge
4. Two examples of plants with anti hepatotoxic drugs
5. Arjuna – Botanical source and uses
6. Two important diagnostic features of coriander
7. Chemical tests for cardiac glycosides
8. Goldbeater's skin test
9. Ligature
10. Coleus forskoli – common name and uses

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