

(LH 4261)

AUGUST 2015

Sub. Code: 4261

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

*Q.P. Code: 564261*

**Time: Three hours**

**Maximum: 100 marks**

**I. Essay:**

**(2 x 20 = 40)**

1. Explain in detail the source, cultivation, collection, macroscopy, microscopy, constituents, chemical tests, uses, adulterants and storage of Digitalis.
2. a) Define alkaloids: Give chemical classification with examples, write about any one quinoline alkaloid containing crude drug.  
b) What are solanaceous alkaloids and write their general characters and explain about any one.

**II. Short notes:**

**(8 x 5 = 40)**

1. Oral hypoglycemic drug.
2. Balsamic resinous drug.
3. Anti hypertensive drug.
4. Agar.
5. Sutures and Ligatures
6. Gelatin sponge.
7. Write the differences between fennel and coriander.
8. Animal fibres used in pharmacy.

**III. Short answers:**

**(10 x 2 = 20)**

1. Define stomata and its types.
2. Write the source for the four varieties of aloes.
3. Amla – Source, Family constituents & uses.
4. Define swelling factor of Isapgol.
5. Gokhru – Source, Family constituents and uses
6. How will you differentiate silk and wool.
7. Name the drug used as Rat poison. Write its source and family.
8. Biological source of Bhilwa and Brahmi.
9. Borntrager's test.
10. What are stone cells? Name any two drugs containing stone cells.

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