

(LG 4261)

FEBRUARY 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. Discuss the factors influencing cultivation of medicinal plants. Write a note on plant growth regulators and natural pesticides.
2. Write the Biological source, family, cultivation, collection, constituents chemical tests and uses of Clove and Senna.

**II. Short notes:**

**(8 x 5 = 40)**

1. Quantitative microscopy
2. Differences between Tragacanth and Sterculia Gum
3. Tropane alkaloids
4. Umbelliferous fruits – their characteristic features
5. Plants with oral hypoglycemic activity
6. Difference between Cotton and Nylon
7. Kaolin
8. Pyrethrum

**III. Short answers:**

**(10 x 2 = 20)**

1. Source, family, constituents and uses of Squill
2. Isoquinoline alkaloids and their uses
3. Constituents and chemical tests for Nux Vomica
4. How is the pungency of Ginger and Capsicum destroyed?
5. Biological source, constituents and uses of ginseng
6. What is artificial silk? Give other names for it.
7. How is oxidized cellulose prepared?
8. Give two examples of natural colour and their source
9. What is the major constituent of Peppermint oil? How it is isolated?
10. Source, family, constituents and uses of Ginger

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