

[LE 809]

APRIL 2014

Sub. Code: 3809

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****SECOND YEAR****PAPER III – PHARMACOGNOSY AND PHYTO PHARMACEUTICALS***Q.P. Code: 383809***Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. What are volatile oils? How are these classified?  
Write their properties, methods of extraction and uses.
2. Discuss the importance of microscopical studies for the evaluation of crude drugs with suitable examples and diagrams.

**II. Write notes on:****(10 x 3 = 30)**

1. Write a brief note on scope of Pharmacognosy.
2. Discuss the methods of extraction of fixed oils.
3. How are proteins detected by chemical test?
4. Write the source, preparation and uses of absorbent cotton.
5. What are adulterants? Mention few adulterants in the adulteration of crude drugs.
6. Name few cell inclusions. Write the various types of calcium oxalate crystals occur in plant cell.
7. Classify carbohydrates with suitable examples.
8. What are the advantages and disadvantages of cultivation?
9. Write a note on cell wall constituents.
10. Write the source, constituents and uses of any one fixed oil obtained from animal sources.

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