

[LB 4261]

AUGUST 2012

Sub. Code: 4261

THIRD YEAR B.PHARM. EXAM

Paper - I PHARMACOGNOSY AND PHYTOCHEMISTRY

Q.P. Code : 564261

Time: Three hours

Maximum: 100 Marks

(180 Min) Answer ALL questions in the same order

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

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|---|----|----|----|
| 1. Write the pharmacognosy of the following drugs.
(a) Indian hemp (b) Benzoin. | 19 | 33 | 20 |
| 2. (a) Explain the preparation of starch from various sources.
(b) Write the biological source, preparation, chemical constituents, tests for identification and uses of tragacanth. | 19 | 33 | 20 |

II. Write notes on:

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|---|---|---|---|
| 1. Plant growth inhibitors. | 3 | 8 | 5 |
| 2. Life cycle of ergot. | 3 | 8 | 5 |
| 3. Adulterants of clove. | 3 | 8 | 5 |
| 4. Detailed study of a drug containing C-glycoside. | 3 | 8 | 5 |
| 5. Compare microscopical characters of coriander and fennel. | 3 | 8 | 5 |
| 6. Bees wax. | 3 | 8 | 5 |
| 7. Write the source and uses for the following drugs.
(a) Arjuna (b) Shankapushpi. | 3 | 8 | 5 |
| 8. Hypoglycemic drug. | 3 | 8 | 5 |

III. Short Answers:

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|--|---|---|---|
| 1. Identification tests for saponin glycosides. | 1 | 5 | 2 |
| 2. Source and uses of margosa oil. | 1 | 5 | 2 |
| 3. Name of manipulated opium. | 1 | 5 | 2 |
| 4. Identification test for tropane alkaloids. | 1 | 5 | 2 |
| 5. Source of a fixed oil containing vitamin A. | 1 | 5 | 2 |
| 6. What are stone cells? Name any two drugs containing stone cells. | 1 | 5 | 2 |
| 7. Why cascara bark is to be stored for atleast one year before use? | 1 | 5 | 2 |
| 8. Define vein-islet number and vein termination number. | 1 | 5 | 2 |
| 9. Murexide test. | 1 | 5 | 2 |
| 10. Chemical constituents of silk. | 1 | 5 | 2 |
