

Total number of printed pages – 4 **B. Pharm**
PH. 6.7

Sixth Semester Examination – 2008

PHARMACOGNOSY – IV

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory
and any **five** from the rest.*

*The figures in the right-hand margin
indicate marks.*

1. Answer the following questions in brief :

2 × 10

- (a) Describe two tests for identification of alkaloids.
- (b) Describe the adulterant used for coffee and cinchona.

- (c) Name the basic structures present in the major alkaloids of tobacco and lobelia.
- (d) Name two plants that contain isoquinoline group alkaloids.
- (e) Name the basic molecules present in the structures of pilocarpine and veratrine.
- (f) Name the chemical constituents present in solanum.
- (g) Name two plants that produce nootropic action.
- (h) Explain about 'ASUAS' used in Ayurveda.
- (i) Explain about 'ARISTAS' used in Ayurveda.
- (j) Name the botanical source, chemical constituents and uses of 'TULASI'.

P.T.O.

PH. 6.7

2

Contd.



2. Write in detail about general methods of extraction and isolation of alkaloids from plant source. 10

3. Write about the source, chemical constituents, micro and macroscopic features and uses of (a) Withania and (b) Ergot. 10

4. Write about the source, cultivation and collection and uses of (a) Opium, (b) Tea. 10

5. Write short notes on the chemical constituents present and their uses of the following plants : 10

(a) Rauwolfia

(b) Nux-Vomica

(c) Arica

(d) Coca.

PH. 6.7

3

P.T.O.

6. Write short notes on the pharmacognosy of (a) Shilajit, (b) Spirulina. 10

7. Write short notes on the following Ayurvedic preparations : 10
(a) Lehyas
(b) Bhasmas.

8. Write short notes on the botanical source chemical constituents and uses of (a) Guggul (b) Punarnava (c) Amla (d) Bael. 10

PH. 6.7

4

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