

September 2008

[KT 338]

Sub. Code : 2874

M.Pharm. DEGREE EXAMINATION.

First Year

(Regulations 2006)

Branch VIII — Phyto Pharmacy and Phyto Medicine

Paper III — HERBAL DRUG DEVELOPMENT AND
STANDARDISATION

Q.P. Code : 262874

Time : Three hours Maximum : 100 marks

Answer ALL questions.

I. Long Essay : (3 × 20 = 60)

1. (a) Describe the importance of HPTLC for qualitative and quantitative estimation of active principles from standardised extracts.
(b) Add a note on catechins from green tea.
2. (a) Describe the methods involved in standardization of herbal raw materials.
(b) Add a note on L-dopa from Mucuna pruriens.

3. (a) Describe the various principles of extraction and selection of suitable extraction methods.
(b) Add a note on piperine from piper nigrum and piper longum.

II. Write short notes on : (8 × 5 = 40)

1. Global regulatory status of herbal medicines.
2. Hair care preparations.
3. GMP for the production of Quality botanicals.
4. Evaluation of different herbal dosage forms.
5. Berberine from Berberis and Alicin from Garlic.
6. Highlight the different methods of extraction.
7. Importance of authentication of herbs.
8. Highlight the different methods of processing of herbs.