

March 2010

[KW 338]

Sub. Code: 2874

M.PHARM. DEGREE EXAMINATION

(Regulations 2006)

Candidates admitted from 2006-2007 onwards

FIRST YEAR

Branch VIII – PHYTOPHARMACY AND PHYTOMEDICINE

**Paper III – HERBAL DRUG DEVELOPMENT AND
STANDARDISATION**

Q.P. Code : 262874

Time : Three hours

Maximum : 100 marks

Answer All questions

I. Essay Questions : (3 x 20 = 60)

1. a) Describe the general methods of preparation of plant extracts and their merits and demerits.
b) Write an essay on the stability studies of herbal formulations.
2. a) Discuss the physicochemical properties of Forskolin and describe its isolation for the source herb.
b) Outline good agricultural practices with respect to yield enhancement in medicinal plants.
3. a) Enumerate commercially importance herbs of cosmetic significance. Add a note on the methods of their incorporation in cosmetic formulations.
b) Discuss the quality control protocols for the evaluation of herbal liquids.

II. Write Short Notes : (8 x 5 = 40)

1. Procurement and authentications of herbs.
2. Microscopic evaluation of crude drugs.
3. Special analysis of drug extracts.
4. Methods of evaluation of cardiotoxicity.
5. Isolation of bacosides from bacopa.
6. Regulatory requirements for the export of herbal drugs.
7. Quantitative analysis of herbals preparations by HPTLC.
8. Precautions to be taken in the collection of plant materials.
