

March 2010

[KW 337]

Sub. Code: 2873

M.PHARM. DEGREE EXAMINATION

(Regulations 2006)

Candidates admitted from 2006-2007 onwards

FIRST YEAR

Branch VIII – PHYTOPHARMACY AND PHYTOMEDICINE

Paper II – ADVANCED PHARMACOGNOSY

Q.P. Code : 262873

Time : Three hours

Maximum : 100 marks

Answer All questions

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

1. a) Discuss the ideal characteristics of a biological assay for use in high through put screening.
b) Outline the strategies for the selection of plant material for high through put screening.
2. a) Describe the methods of assessment of immuno modulatory potential of a plant drug.
b) Write an essay on immuno modulatory plant drugs and their possible mechanism of action.
3. a) Trace the biogenic pathway of formation of flavonoids.
b) Discuss the general methods of isolation of tannic acid.

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

1. Chemical methods of determination of moisture content in crude drugs.
2. Environmental factors influencing plant cultivation.
3. Chemotaxonomy.
4. Techniques in protoplast fusion.
5. Elicitors and induced production of plant secondary metabolites.
6. Merits and demerits of carbontetrachloride as a hepato toxicant.
7. Methods of screening for analeptic activity.
8. Role of ethnobotany in medicinal plant research.
