

FEBRUARY 2011

[KY 753]

Sub. Code: 4244

FOURTH B.PHARM. DEGREE EXAMINATION

(Regulations 2004) Candidates Admitted from 2004-05 onwards

Paper III – ADVANCED PHARMACOGNOSY

Q.P. Code : 564244

Time : Three hours

Maximum : 90 marks

I. Essay Questions : Answer any TWO questions. (2 x 20 = 40)

1. Discuss in detail applications of spectroscopic methods in the evaluation of Phytoconstituents.
2. Explain the Industrial production and utilization of
a) Cardiac Glycosides b) podophyllotoxin.
3. Describe the basic principles involved in Ayurveda and Siddha System of Medicine.

II. Write Short Notes : Answer any EIGHT questions. (8 x 5 = 40)

1. Biosynthesis of Streptomycin.
2. Antiviral drugs from plant sources.
3. Biogenesis of steroidal glycoside.
4. Preparation of Lehya.
5. Preparations of Tinctures.
6. Totipotency.
7. Estimation of Heavy metals in Herbal formulations.
8. Applications of HPTLC in the evaluation of plant constituents.
9. Asparaginase.
10. Stability test for Herbal extracts.

III. Short Answers: Answer any FIVE questions. (5 x 2 = 10)

1. Urokinase.
2. Enzyme reactors.
3. Natural allergens.
4. Exudates.
5. Treatment of allergy.
6. Sequential analysis.
7. Menthol.
