

(LI 4268)

FEBRUARY 2016

Sub. Code: 4268

**FOURTH YEAR B.PHARM. EXAMINATION
PAPER II – ADVANCED PHARMACOGNOSY***Q.P. Code: 564268***Time: Three hours****Maximum: 100 Marks****I. Essay:****(2 x 20 = 40)**

1. a) Industrial production and application of Quinoline alkaloids.
b) Bio-synthesis and application of Digoxin.
2. a) Principle involved in Siddha system of medicine.
b) Preparation and standardization of Bhasmas.

II. Short notes:**(8 x 5 = 40)**

1. Nutritional requirements in Plant tissue culture.
2. Industrial production of Sennosides.
3. Biogenesis of Streptomycin.
4. Chromatographic techniques used in Plant drug analysis.
5. Role of Infra Red spectroscopy in evaluation of phytoconstituents.
6. Immobilisation technique in Plant tissue culture.
7. Note on Natural allergens.
8. Herbal Cosmetics.

III. Short answers:**(10 x 2 = 20)**

1. Define Plant tissue culture.
2. Chemical structure of Solasodine & Podophyllotoxin.
3. Electrophoresis.
4. Treatment of allergy.
5. Standardisation parameters for Lehya.
6. Preparation of Pectinase.
7. Biotransformation.
8. Define biogenesis.
9. What is Hairy root culture?
10. Mention the different types of allergenic extracts.
