

(LO 4268)

FEBRUARY 2019

Sub. Code: 4268

**B.PHARM. DEGREE EXAMINATION
FOURTH YEAR
PAPER II – ADVANCED PHARMACOGNOSY**

*Q.P. Code: 564268***Time: Three hours****Maximum: 100 Marks****I. Elaborate on:****(2 x 20 = 40)**

1. a) Types of ayurvedic formulations and their standardisation.
b) Industrial production of diosgenin.
2. Elaborate on chromatographic techniques employed in phytochemical analysis.

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

1. Stability test for herbal extracts.
2. Give the method of preparation and uses of papain.
3. Applications of plant tissue culture.
4. Biosynthesis of penicillin.
5. Modern methods of extraction of crude drugs.
6. Biogenesis of morphine.
7. Plant growth regulators of its applications.
8. Industrial preparation and application of quinine.

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

1. Name the different methods of feeding radio isotopes to plants in tracer techniques.
2. Define capillary electrophoresis.
3. Two active constituents uses of fenugreek.
4. Uses of hypericin and glycyrrhizin.
5. Types of allergens.
6. Clonal propagation.
7. Write source and family of brahmi.
8. Preparation of herbal shampoo.
9. Name any two basic metabolic pathways in the formation of plant secondary metabolites.
10. Preparation of pectinase.
