

(LQ 4268)

FEBRUARY 2020

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) Discuss in detail modern methods of extraction of phytoconstituents.
b) Explain industrial production and pharmaceutical application of tropane alkaloids.
2. a) Discuss method of isolation and purification of enzymes.
b) Explain biogenesis and pharmaceutical application of Digoxin.

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

1. Biosynthesis of streptomycin.
2. Antiviral drugs.
3. Biogenesis of Ergometrine.
4. Preparation and standardization of Bhasmas.
5. Preparation and standardization of herbal creams.
6. Write common vernacular names, botanical sources, chemical constituents and marketed formulation of tylophora.
7. Preparation of allergenic extracts.
8. Export potential of Medicinal and Aromatic plants of India.

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

1. Give uses of pancreatin.
2. Application of HPLC.
3. Define callus culture.
4. Give uses of Podophyllotoxin.
5. Treatment of allergy.
6. Define churnas.
7. Give uses of Vidarabine.
8. Organogenesis.
9. Name two marketed formulation of Guggul.
10. Write botanical sources and uses of Brahmi.
