

(LM 4268)

FEBRUARY 2018

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. Explain the preparation and standardization of Churnas and Bhasmas.
2. Draw flow chart of super critical fluid extraction and Enflourage extraction method.

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

1. Bio-transformation in plant tissue culture.
2. Estimation of heavy metals in herbal preparations.
3. Note on herbal syrups and creams with examples.
4. Biogenesis of Atropine.
5. Preparation and uses of: a) Pepsin b) Pectinase.
6. Industrial production of Solasodine.
7. Biosynthesis of Streptomycin.
8. Applications of plant tissue culture.

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

1. Define Ayurveda.
2. Give examples for allergenic extracts.
3. What is Protoplast culture?
4. What is Autoradiography?
5. Give examples of plants having anti HIV activity.
6. Chemical structure and uses of Menthol and citric acid.
7. Source, family and uses of Papain.
8. Define biogenesis.
9. What is hairy root culture?
10. Mention the treatment methods for allergy.
