

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

(LP 4268)

AUGUST 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. Discuss the utilization of radioactive isotopes in the investigation of biogenetic studies.
2. Describe the role of plant growth regulators for the production of secondary metabolites.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Electrophoresis.
2. Explain the method of isolation of papain.
3. Explain the industrial production and pharmaceutical application of solasodine.
4. Classification of allergens.
5. Herbal shampoo.
6. Explain the method of preparation of Lehyas.
7. Explain the Biosynthesis of Cephalosporin.
8. Biogenesis of Reserpine.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Chemical constituents and uses of Shankapuspi.
2. Pharmaceutical application of citric acid.
3. Write the common vernacular names and uses of Punarnava.
4. Explain Gutikas.
5. Application of hairy root cultures.
6. Biotransformation.
7. Uses of Inophyllum B.
8. Name the two marketed formulation of Coleus forskolii.
9. Principle involved in Unani system of medicine.
10. Application of HPTLC.

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