

(LR 4268)

DECEMBER 2020
(AUGUST 2020 SESSION)

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) Industrial production and applications of Vinca alkaloids.
b) Write the basic principles involved in Ayurveda & Homeopathy.
2. Describe the WHO guidelines for assessment of herbal medicines.

II. Write notes on:

(8 x 5 = 40)

1. Enzyme immobilization technique.
2. Preparation of allergenic extracts.
3. Biosynthesis of penicillin.
4. Plants having anti HIV activity.
5. Role of radioactive isotopes in biogenetic studies.
6. Application of HPTLC.
7. Outline the basic metabolic pathways leading to the formation of plant secondary metabolites.
8. Export potential of medicinal aromatic plants of India.

III. Short answers on:

(10 x 2 = 20)

1. Total Ash value and its significance.
2. Antiviral drugs of plant origin and write its uses.
3. Define Aristas and Asawas.
4. Write the structure and uses of Atropine.
5. Principle involved in TLC & PC.
6. Uses of Shilajit.
7. Any two application of plant tissue culture.
8. Pharmaceutical application of Digoxin.
9. Preparation of Bhasmas & Gutikas.
10. Biological source and uses of Amla
