

[BPHARM 0122]

JANUARY 2022
(AUGUST 2021 EXAM SESSION)

Sub. Code: 4268

B.PHARMACY DEGREE COURSE (NON-SEMESTER EXAMINATIONS)
FOURTH (FINAL) YEAR (Regulation 2009-2010)
PAPER II – ADVANCED PHARMACOGNOSY
Q.P. Code: 564268

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Write the basic principles involved in Siddha.
b) Describe the WHO guidelines for assessment of Herbal Medicine.
2. a) Biogenesis of Steroidal Glycoside.
b) Export potential of medicinal and aromatic plants of India.

II. Write notes on:

(8 x 5 = 40)

1. Enzyme reactors.
2. Composition of typical tissue culture medium for production of callus.
3. Source, structure and uses of anti HIV drugs.
4. Types of chromatography and its application.
5. Preparation and uses of Tinctures and Herbal Cosmetics.
6. Significance of Teratogenic and other toxic plants.
7. Biosynthesis of Streptomycin.
8. Preparation and standardization of Lehyas and Bhasmas.

III. Short answers on:

(10 x 2 = 20)

1. Formulation, Biological source constituents and uses of Amla.
2. Write the precursor and uses of Ergometrine.
3. Structure and uses of cephalosporin.
4. Define Aristas with example.
5. Structure and uses of Hypericin.
6. Any two application of IR spectroscopy.
7. Write the two methods used to fuse the protoplast cell.
8. Source and uses of pancreatin.
9. Name any two culture media used in plant tissue culture.
10. Uses of Calanotide A and Podophyllotoxin.
