

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

[BPHARM 1022] OCTOBER 2022 Sub. Code: 4268
(AUGUST 2022 EXAM SESSION)

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. Discuss in detail on modern methods of extraction of phytoconstituents.
2. Discuss in detail on WHO guidelines for the assessment of herbal medicines.

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

1. Stability test for herbal extracts.
2. Electrophoresis.
3. Pepsin.
4. Enzyme immobilization techniques.
5. Preparation of allergenic extracts.
6. Herbal syrups.
7. Give examples for radioactive isotopes.
8. Biogenesis of Atropine.

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

1. Define plant tissue culture.
2. Pharmaceutical application of Reserpine.
3. Explain protoplast culture.
4. Define Gutikas.
5. Define Callus.
6. Give the uses of Pectinase.
7. Treatment of allergy.
8. Define biogenesis.
9. Give the source and uses of Glycyrrhizin.
10. Give the uses of Diosgenin.
