

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

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code: 262996

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Reverse Pharmacology and what is its role in herbal drug evaluation and discuss the new development in herbals.
2. Describe the types, causes and measures of adulteration/ substitution of herbal drugs. Add a note on estimation of heavy metals and pesticide residues.

II. Write notes on:

(7x5 =35)

1. Analytical profile of *Andrographis paniculata*.
2. Screening procedure for Hepatoprotective activity.
3. Pharmacological Screening for Diuretic drugs.
4. Phytotoxins.
5. Analytical profile of *Embelica officinalis*.
6. Scope of DNA finger printing technique in Herbal drug analysis.
7. Antioxidant screening techniques.
