

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

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2915

**M.PHARMACY DEGREE EXAMINATION
FIRST YEAR
BRANCH V – PHARMACEUTICAL ANALYSIS
PAPER III – ADVANCED PHARMACEUTICAL ANALYSIS
*Q.P. Code : 262915***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are suphonamides? Explain the detailed procedure and principle involved in the estimation of any four suphonamides.
2. Write a detailed note on product characterization for drug and product development.

II. Write notes on:

(10 x 6 = 60)

1. Write in detail about the analysis of Chloramphenicol.
2. Give the applications of PDAB reagent as an analytical tool.
3. Write about the calibration procedure for HPTLC.
4. Give methods for the estimation of progesterone in formulations.
5. Describe biological assay procedure for tetanus antitoxin.
6. Explain the official methods for the determination of Vitamin E.
7. Explain the methods for the estimation of carbonyl group.
8. Explain the procedure for the determination of bromine and sulphur.
9. Describe the analytical method for analysis of reserpine.
10. Explain the principle and procedure involved in the qualitative and quantitative estimation of drugs using FC reagent.
