

QP Code: 403008

Reg. No.....

**Final Year B. Pharm (Ayurveda) Degree Regular/Supplementary
Examinations March 2023**

Pharmaceutical Analysis II

Time: 3 hrs

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays:

(2x10=20)

1. Write briefly on detectors used in IR spectroscopy.
2. Explain in detail about polarimetry and its applications.

Short notes:

(10x5=50)

3. Paper Electrophoresis.
4. Explain in detail about Nephelometry.
5. Discuss various components in UV spectrometers.
6. GMP.
7. Types of vibrations in IR spectroscopy.
8. Principles of Chromatography.
9. Rheodyne injector in HPLC.
10. Explain about GLP.
11. Types of development techniques in Paper Chromatography.
12. Burners used in Flame Photometry.

Answer briefly:

(10x3=30)

13. Differentiate between Nephelometry and Turbidometry.
14. Explain Monochromators used in UV spectroscopy.
15. Photo voltaic cell.
16. Factors affecting Diffusion current.
17. Define – Retention Time, Retention Volume and Retardation Factor.
18. Columns used in HPLC.
19. Define – Wavelength, Wave number and Frequency.
20. Shielding and Deshielding in NMR.
21. Differentiate Isocratic and Gradient elution techniques.
22. Role of supporting electrolytes in Polarography.
