

QP Code: 403008

Reg. No.....

**Final Year B. Pharm(Ayurveda) Degree Supplementary Examinations,
April 2016**

Pharmaceutical Analysis II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Explain developmental techniques and principles of paper chromatography.
Describe the principle and application of atomic absorption spectroscopy
2. Explain principle, instrumentation and application of mass spectroscopy

Short notes:

(10x5=50)

3. Instrumentation of visible spectroscopy
4. Vibrations in IR spectroscopy
5. Detectors used in fluorimetry.
6. Note on interpretation of NMR spectroscopy.
7. Plane polarized light.
8. Factors affecting diffusion current.
9. Explain the principle behind flame photometry.
10. Explain nepheloturbidimeter.
11. Electrophoresis
12. Electronic transition seen in uv spectroscopy

Answer briefly:

(10x3=30)

13. Turbidimetry.
14. Why TMS is selected as reference compound in NMR.
15. Application of IR spectroscopy.
16. Shielding and de shielding
17. Absorptivity.
18. Application of Flame photometry.
19. Application of HPLC
20. Quenching
21. Rf value
22. Gel filtration
