

QP Code: 403008

Reg. No.....

Final Year B. Pharm (Ayurveda) Degree Examinations, October 2017

Pharmaceutical Analysis II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Enumerate the detectors used in UV spectroscopy and IR spectroscopy. Explain with neat diagrams.
2. Explain Beers Lamberts law and discuss about the deviations from Beers law.

Short notes:

(10x5=50)

3. The working principle of thermo gravimetric analysis.
4. Compare and contrast nephelometry and turbidimetry.
5. GMP.
6. Outline the difference between HPTLC and TLC.
7. Discuss various components in UV spectrometers.
8. Explain the term singlet, triplet and quenching.
9. Applications of NMR.
10. Theories of chromatography.
11. Different types of current in polarography.
12. Polarimetry.

Answer briefly:

(10x3=30)

13. Applications of AAS.
14. Chromophore and auxochromes.
15. Role of supporting electrolytes in polarography.
16. Shielding and deshielding in NMR.
17. What is partition coefficient.
18. Differentiate isocratic and gradient elution techniques.
19. Visualizing agents used in TLC.
20. Factors effecting diffusion current.
21. Role of primary and secondary filters in fluorimeter.
22. Barrier layer or photo voltaic cell.
