

QP Code: 403008

Reg. No.....

Final Year B. Pharm(Ayurveda) Degree Examinations, October 2014

Pharmaceutical Analysis II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Explain the Beer Lambert's law and discuss about deviation from Beer law.
2. Define standardization. Describe the procedure to establish standards for an Arishta and Sindhura preparation.

Answer briefly:

(10x5=50)

3. What is spectroscopy. Explain about EMR.
4. Principle and working of flame emission spectrometer.
5. Comment on different ionization method observed in mass spectrometry.
6. Principle and applications of fluorimetry.
7. Various components of UV spectrometer.
8. List out the difference between nephelometry and turbidimetry.
9. Principle and pharmaceutical applications of DSC.
10. Explain about gel filtration chromatography technique and its applications.
11. Define Polarography and explain about DME.
12. Solid, liquid sample handling in IR spectroscopy.

Short notes:

(10x3=30)

13. Various pharmaceutical applications of NMR spectroscopy.
14. Components of AAS.
15. Principle of HPLC.
16. Isobestic point.
17. GMP as per WHO.
18. Instrumentation of polarimetry.
19. Photomultiplier tube.
20. Different types of vibration in IR.
21. Pharmaceutical application of colorimetry.
22. Chemical shift.
