

QP Code: 403008

Reg. No.....

**Final Year B. Pharm (Ayurveda) Degree Regular/Supplementary
Examinations October 2019**

Pharmaceutical Analysis II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Explain the principal of column chromatography. Describe the various column preparation methods in detail. Write down its applications also.
2. What is E.M.R. Explain instrumentation of U.V. spectroscopy in detail.

Short notes:

(10x5=50)

3. Location, surrounding and building according to G.M.P. in Ayurveda.
4. Types of vibrations in infra-red spectroscopy.
5. Types of detectors used in H.P.L.C.
6. Factors affecting intensity of flame as in flame photometry.
7. Give different methods of plate preparation as in T.L.C.
8. Hollow cathode lamp with diagram.
9. Raw material store according to GMP.
10. Monochromators in brief.
11. Instrumentation of Mass Spectroscopy
12. What is quality control. Give quality control parameters for churna preparation

Answer briefly:

(10x3=30)

13. What is spectroscopy. Define the terms wavelength and amplitude.
14. Applications of I.R. spectroscopy.
15. Give three detecting agents with its role in TLC.
16. Enumerate types of paper chromatography.
17. Dry packing technique as in column chromatography.
18. Types of injectors as in HPLC.
19. Applications of NMR spectroscopy.
20. Applications of polarography in brief.
21. Define Q.C. according to WHO GMP.
22. T.M.S
