

**QP Code: 403008**

**Reg. No.....**

**Final Year B. Pharm (Ayurveda) Degree Supplementary Examinations  
August 2020**

**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. G.M.P. in detail.
2. Give an account of flame emission spectroscopy.

**Short notes:**

**(10x5=50)**

3. Types of columns used in H.P.L.C. in brief.
4. Applications of A.A.S.
5. Principal of polarography in brief.
6. How fluorescence and phosphorescence occurs. Differentiate them
7. Instrumentation of Turbidimetry in detail.
8. Dropping mercury electrode.
9. Define chromatography. Explain the principle of paper chromatography.
10. Prism Monochromator with diagram.
11. Spectrophosphorimeter in brief.
12. What is quality control. Give quality control parameters for oils and fats preparation

**Answer briefly:**

**(10x3=30)**

13. What do you mean by blue shift and red shift.
14. Sample preparation in I.R. spectroscopy.
15. Diagram of HPLC.
16. How phenolic compound and alkaloids are identified by TLC
17. Why TMS is used as reference standard
18. Types of stationary phases used in T.L.C.
19. Define amplitude.
20. What is retention time. Where it is used
21. What is normal phase chromatography
22. Gradient elution

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