

QP CODE:302326

Reg.No:

Third Year Pharm D Degree Supplementary Examinations - March 2015

Pharmaceutical Analysis

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain the terms longitudinal diffusion and eddy diffusion. Discuss in detail about stationary phases used in gas-liquid chromatography
2. Explain the construction and working of HPTLC and any one type of HPLC pump with a neat diagram.
3. Discuss the resins used in ion exchange chromatographic technique and mention its properties. Explain the salient features of ISO 9000.

Short notes

(8x5=40)

4. Explain the criteria; molecules must satisfy to exhibit fluorescence. Mention the applications of fluorescence technique.
5. Explain the construction and working of a dropping mercury electrode.
6. Working of a conductometer with a neat diagram.
7. Sources of radiation in an UV spectrophotometer
8. Explain the principle involved in Karl-Fischer titration mentioning its applications
9. Discuss about monochromators used in IR spectrophotometer
10. Explain the theory of ESR technique and mention its applications
11. Explain the working of a flame photometer with a neat diagram
