

QP CODE: 302326

Reg. No:

Third Year Pharm D Degree Examinations June 2019

Pharmaceutical Analysis

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Explain fluorescence process. With suitable examples give estimation of compounds by fluorescence method.
2. Draw, label and explain working of detectors of gas chromatography
3. Describe the theory, interferences, instrumentation and application of flame photometry

Short notes

(8x5=40)

4. Various ions produced and applications of mass spectrometry
5. The concepts of ISO 9000
6. Describe ilkovic equation and its application in pharmacy
7. Mention the theoretical aspects and applications of NMR
8. Give elution methods in column chromatography along with factors affecting the separation efficiency
9. Instrumentation and sample handling of IR
10. Mention pharmaceutical applications of gel filtration and affinity chromatography
11. Detectors of UV spectroscopy
