

35169 : Pharmaceutical Analysis - II : T-6.3

P. Pages : 1

Time : Three Hours

**AW - 2315**

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** question out of **seven** questions.
 3. Diagrams and Chemicals equations should be given wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.

1. a) Explain Beer – Lamberts Law and give deviation from Beers Law. 6
b) Explain single component Analysis in UV visible spectroscopy. 6
2. Explain Instrumentation of Fluorescence Spectroscopy with it's applications. 12
3. Give the difference between Atomic absorption and Atomic emission spectroscopy. Write pharmaceutical applications of Atomic Absorption and atomic emission spectroscopy. 12
4. Write principle of Gravimetric Analysis and explain various steps involve in it. 12
5. Write in detail about different components of spectrophotometer and draw diagram of single beam & double beam spectrophotometer. 12
6. a) Explain Soxhlet Extraction method in detail. 6
b) Write about Assay of Aluminium in Alum by oxime reagent. 6
7. Write a note on **any two**. 12
 - a) Oxygen flask combustion techniques.
 - b) Applications of fluorescence spectroscopy.
 - c) Kjeldahl's method of Nitrogen estimation.
