B. Pharm. III Year Sixth Semester

35169 : Pharmaceutical Analysis - II : 6.3

P. Pages : 1 | AU - 0684

Time : Three Hours | Max. Marks : 60

Notes : 1. All question carry equal marks.
2. Answer **any five** questions.
3. Diagrams and chemical equations should be given wherever necessary.
4. Discuss the reaction, mechanism wherever necessary.

1.		Describe various steps involved in gravimetric analysis. Discuss about co-precipitation and post precipitation.	12
2.	a)	Discuss in detail about monochromators and detectors used in spectrophotometers.	6
	b)	Explain in detail about chromophores and auxochromes.	6
3.		What is liquid – liquid extraction? Explain factors affecting it. Discuss about Soxhlet extraction and Batch method.	12
4.	a)	What is fluorimetry? Discuss factors affecting fluorescence.	6
	b)	Discuss pharmaceutical applications of Atomic Absorption and Atomic emission spectroscopy.	6
5.		Describe principle, instrumentation and applications of flame emission spectroscopy.	12
6.	a)	Discuss about Kjeldahl's method used for estimation of nitrogen.	6
	b)	Describe oxygen flask combustion technique for determination of organic Sulphur and phosphorus.	6
7.		Write short note on **any two.**	12

a) Electromagnetic radiations.

b) Salting out effect.

c) Multicomponent Analysis.

d) Use of solvent in UV-spectroscopy.

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