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**B. Pharmacy (Eighth Semester) Examination,
April-May 2017**

(New Course)

(Pharmacy Branch)

PHARMACEUTICAL ANALYSIS - III

(Instrumental)

Time Allowed : Three hours

Maximum Marks : 70

Note : Attempt any five questions. Each question carries equal marks.

1. Discuss the principle, instrumentation and application of atomic absorption spectroscopy.

Explain principle of UV spectrophotometry. Give instrumentation and application of UV spectrophotometry. 14

3. What is fluorescence and phosphorescence? Explain quenching factors affecting quenching and application of fluorimetry. 14
4. What are chromatography techniques? Explain the principle, instrumentation and application of HPTLC. 14
5. Discuss the basic principle and instrumentaiton of Mass spectrometry. Write a detail note on moss fragmentation. 14
6. What do you mean by chemical shift? Discuss factors affecting chemical shift and application of NMR spectroscopy. 14
7. Write short note on (any two) : 7×2
 - (a) Principle of flame photometer
 - (b) IR detector
 - (c) Paper chromatography