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**B. Pharmacy (Eighth Semester) Examination,
April-May 2018**

(New Course)

(Branch : Pharmacy)

PHARMACEUTICAL ANALYSIS-III

(Instrumental)

Time Allowed : Three hour

Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. Give principle, instrumentation of Atomic Absorption Spectroscopy. 14
2. Give principle, instrumentation of Infrared spectroscopy. 14

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3. Give principle, instrumentation and uses of Nuclear Magnetic Resonance Spectroscopy (NMR). 14
4. Give principle, instrumentation and uses of X-ray diffraction. 14
5. Give basic principle and uses of solid-liquid chromatography. 14
6. Explain principle and instrumentation and uses of Gas Liquid Chromatography (GLC). 14
7. Write short notes on any two : 2×7=14
 - (a) HPTLC
 - (b) Fluorimetry
 - (c) C¹³ NMR
 - (d) Beer's-Lambert Laws and its limitation