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Roll No

PY-602**B.Pharmacy VI Semester**

Examination, June 2017

Pharmaceutical Analysis - II*Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Describe the principal and instrumentation of HPTLC.
2. Explain the instrumentation and working of NMR-Spectrometer.
3. Describe the instrumentation and working of double beam UV-Spectrophotometer. Discuss the Pharmaceutical application of UV-Spectrophotometry.
4. Give an account on Flame photometry.
5. Describe the instrumentation and working of IR-Spectrometer. Discuss the advantage of FT-IR.
6. Describe the theory and application of Radioimmuno assay.

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7. Write a note on ionization techniques and mass analyzers in Mass Spectroscopy.

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8. Answer any four of the following:
- a) How would you choose solvent system in Chromatography?
 - b) Write Beer-Lambert Law.
 - c) Describe the Molecular Vibrations.
 - d) Write the basic principle of atomic absorption spectroscopy.
 - e) What is Spin-Spin coupling in NMR-Spectroscopy?
 - f) Write the application on NMR-Spectroscopy in pharmaceutical analysis and drug research.

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