

Roll No

PY-602 (GS)**B.Pharmacy VI Semester**

Examination, May 2018

Grading System (GS)**Pharmaceutical Analysis - II***Time : Three Hours**Maximum Marks : 70*

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

1. Describe how choice of the carrier gas is crucial to the success of the gas chromatography.
2. Briefly describe principle, instrumentation and methods of ultraviolet spectroscopy.
3. Discuss various types of molecular vibration in interpretation of infra red spectrophotometry spectra.
4. Describe chemical shift and spin-spin coupling used for structural interpretation of NMR spectra.
5. Explain instrumentation of mass spectroscopy.

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6. Discuss instrument and various detector in X-Ray spectroscopy.
7. Describe theory and application of enzymes and radio-immuno assay techniques.
8. Write short notes on (any two):
 - a) Fluorimetry
 - b) Atomic absorption
 - c) Flame photometry

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