https://www.rgpvonline.com

Total No. of Questions : 8] *[Total No. of Printed Pages : 1*

Roll No .....

PY-602 (GS)

B.Pharmacy VI Semester Examination, June 2020

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. Discuss the instrumentation and working of IR-Spectrometer. Discuss the application of IR-spectroscopy in analysis of pharmaceutical substance and pharmaceutical dosage forms.

2. Describe chemical shift and spin-spin coupling used for structural interpretation of NMR spectra.

3. Discuss instrument and various detector in X-Ray spectroscopy.

4. Describe the principle of Gas liquid chromatography.

OR

Describe the principal and instrumentation of HPTLC.

5. Explain the Woodward-Fieser rules for calculating absorption maximum in dienes using one suitable example.

6. a) What is McLafferty Rearrangement in mass spectroscopy?
   b) Give an account on radioimmunoassay.

7. a) Give applications of Thin Layer Chromatography (TLC).
   b) State Beer-Lambert law. What is molar absorptivity?

8. Write short notes on (any two):
   a) Fluorimetry
   b) Atomic absorption
   c) Flame photometry

******

https://www.rgpvonline.com