

M. Pharm. Second Semester (Quality Assurance)
35240 : Advanced Analytical Techniques : MQA-203

P. Pages : 1

Time : Three Hours



AW - 2385

Max. Marks : 70

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Illustrate your answer necessary with the help of neat sketches.

1. Discuss theory, instrumentation and structural elucidation by UV. 14
2. Write a note on Gas-liquid chromatography. 14
3. State principle, applications and instrumentation of HPLC. 14
4. Discuss theory, instrumentation and application of Differential Thermal Analysis (DTA). 14
5. a) Explain Radio-immunoassay. 7
b) Write about Normal and reverse phase chromatography. 7
6. a) Discuss IPTLC separation techniques. 7
b) Explain in detail Gel-electrophoresis 7
7. Write a note on **any two**. 14
 - a) Ion pair chromatography.
 - b) ELISA
 - c) Thermogravimetric Analysis (TGA)
