

O.P. CODE: 9201 www.FirstRanker.com www

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)

- 1. Outline the principle involved in ORD. Explain in detail about its instrumentation and applications
- 2. Explain beer Lamberts law. Describe the working of a UV visible spectrophotometer. Enumerate the applications of UV spectroscopy in pharmacy
- a) Describe the principle and working of quadrupole mass spectrometer and its applicationb) Discuss the principles and procedure involved in ion exchange chromatography

SHORT ESSAY (Answer any FIVE)

- 4. Discuss in detail about instrumentation of HPLC
- 5. Define mass fragmentation pattern and PMR spectral features for Butylacetate
- 6. Explain in detail about X –rays generation. Give brief account on X ray powder diffraction
- 7. What is electrophoresis. Explain with example the method of paper electrophoresis
- 8. What is Chemical shift. Write the factors affecting chemical shift
- 9. Discuss the working of FTIR? How is it different from dispersive IR spectrometer

www.firstRantex.*

SHORT NOTES

- 10. Anova
- 11. Thesis writing

5 X 10 = 50 Marks

2 X 5 = 10 Marks

2 X 20 = 40 Marks



www.FirstRanker.com