

FirstRanker.com upload_d7b82d5d80afc5f6902f7a2504f Rajiv Gandhiwwnfivserskeyconf Healthy Sciencesom First Year M. Pharm Degree Examination - JAN-2019

[Time: 3 Hours] [Max. Marks: 100]

MODERN PHARMACEUTICAL ANALYSIS (OS & RS)

Q.P. CODE: 7891

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

ANSWER ANY FOUR 4 X 25 = 100 Marks

- a) Give an account of the principle, instrumentation and applications of UV spectroscopy
 - b) Add a note on Woodward's rules.
- 2. Write briefly on:
 - a) ORD

- b) FT-IR
- c) Reversed phase TLC
- d) Student's t-test.
- What do you know of: 3.
 - a) Spin -spin coupling
- b) Spin-spin and spin-Lattice relaxation
- c) 2D NMR
- d) ¹³C NMR
- 4. What is chemical ionization mass spectrometry? Discuss the instrumentation and applications of this technique in pharmaceutical analysis. What is FABMS?
- 5. Give an account of:
 - a) Electrophoresis
- WWW.FirstRanker. b) RP-HPLC (c) Circular dichroism d) literature sources

- 6. Write short notes on
 - a) GLC
- b) HPTLC