

2010 scheme

QP CODE: 402006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations July 2021 Pharmaceutical Analysis – II

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

Essays

(3x10=30)

1. What are electrometric method of analysis. Describe the principle of any two such methods.
2. Define chromatography. Classify chromatography based on principle of separation. Write their practical applications in pharmaceutical sciences
3. Give an account of instrumentation and applications of UV-visible spectrophotometry

Short notes

(14x5=70)

4. Classify ion exchangers. Mention the factors affecting ion-exchange
5. State Beers law. Enumerate conditions under which deviations from Beers law is observed
6. Quenching of fluorescence. Mention its causes and types
7. Flame photometry. Explain briefly the applications of flame photometry in pharmacy.
8. What is ICH. Describe briefly, the guidelines published by ICH
9. Types of carrier gases and stationary phases used in GLC
10. Describe the working principle and applications of HPTLC
11. Explain the theory of NMR spectroscopy.
12. Describe the basic principles of thermal analysis. What is a thermogram
13. Applications for atomic absorption spectroscopy and atomic emission spectroscopy
14. The theory of light scattering and its application in pharmacy
15. Describe sample handling methods for solid compounds in IR spectroscopy
16. Types of ions observed in mass spectroscopy.
17. Working principle of katharometer and mention its merits and limitations
