

2010 scheme

QP CODE: 402006

Reg. No:

Final Year B.Pharm Degree Supplementary Examinations April (November), 2020 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. Discuss working principle of electrodes used in potentiometry. Add a note on significance and applications of potentiometric titrations.
2. Describe the principle involved in gas chromatography. Mention the construction, working and applications of GC.
3. Give an account of instrumentation and applications of UV-visible spectrophotometry

Short notes

(14x5=70)

4. Factors affecting fluorescence in fluorimetry. Mention any two drugs that can be assayed by fluorimetry
5. State Beers law. Under what conditions deviations from Beers law is observed
6. Describe instrumentation of electrophoresis.
7. What is ICH. Describe briefly, the guidelines published by ICH
8. Mechanism of ion exchange
9. Define validation. Classify and explain briefly the objectives of each of them
10. Explain types of conductometric titrations with suitable titration graphs
11. Describe the principle and applications of atomic absorption spectroscopy
12. Types of ions that are recognized in a mass spectrum taking a suitable example
13. Describe the basic concepts of thermal analysis. What is a thermogram
14. Explain the types of stationary phases and mobile phases used in HPLC
15. Explain column chromatography
16. Define polarograph. Write applications of amperometry
17. Describe differences between TLC and HPTLC
