

2012 scheme

QP CODE: 412006

Reg. No:

Final Year B.Pharm Degree Regular/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 gas chromatographic columns and any two detectors used.
2. Explain the monochromators used in UV – visible spectrophotometers.
3. Describe instrumentation of mass spectrophotometer in detail.

Short notes

(14x5=70)

4. Partition theory of chromatography.
5. Stationary phases used in thin layer chromatography with its advantages and disadvantages.
6. Types of ion exchangers with specific applications.
7. Applications of ultracentrifugation.
8. Applications of electrophoresis.
9. Any one pump used in high performance liquid chromatography.
10. Applications of conductometric titrations in pharmacy.
11. Applications of thermal analysis.
12. Types of amperometric titrations.
13. Applications of turbidimetry.
14. Handling of solid samples in infrared spectroscopy.
15. Principle of fluorimetry.
16. Principle and methodology of radio-immunoassay.
17. Advantages of ISO certification
