

Pramukh Swami Science & H.D. Patel Arts College, Kadi
Bachelor of Vocation Pharmaceutical Chemistry Semester-IV

Internal Examination, March-2019,
(PC-413) Advanced Analytical Chemistry-II

Time: 2 hours

27/03/2019

Total Marks: 60

Que-1. Answer any 12 questions. Each question carries 1 mark [12]

1. What is the full form of HPLC?
2. Give name of column which are used in HPLC.
3. What is pressure in HPLC?
4. What is WCOT-
 - (a) Wall Coated open transfusion column
 - (b) Wall Coated open tubular column
 - (c) Wall Coated open Trans column
 - (d) Wall Coated open transfer column
5. _____ μ m is particle size in HPTLC.
6. Give name of detector in HPLC.
7. What is stationary phase.
8. What is isocratic and gradient HPLC system?
9. Column chromatography gives better separation than TLC. (True/False)
10. What is the pressure in HPTLC?
11. Write name of any 4 polar solvents.
12. Name the chromatography techniques which are classified into liquid chromatography.

Que.2. Answer any five questions. Each question carries 4 marks [20]

1. Explain the Detector in GC.
2. Explain the principle of HPTLC.
3. Explain the difference between TLC and HPTLC.
4. Explain the Application of GC.
5. Explain the Detector in HPLC.
6. Explain the principle of High performance liquid chromatography.
7. Write a note on detector in HPLC.

Que.3. Answer any four questions. Each question carries 7 marks [28]

1. Explain the Instrumentation of HPLC.
2. Explain the Instrumentation of GC.
3. Write a note on application of HPTLC.
4. Explain Injection in HPLC.
5. Explain application of chromatography.
6. Write a note on application of GC.