

Hemchandracharya North Gujarat University, Patan
Master of Vocation
'Pharmaceutical Chemistry' Semester - II
End Term Examination, April-2019.
Advanced Instrumental Techniques (MPC 201)

Time: 2hrs

Date: 25/04/2019

Max. Marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark (9*1=9 Marks)

1. What is reversed phase chromatography?
2. Define: LC-MS.
3. is length column is used in GC.
4. The pressure of UPLC is 6000 psi. True or False.
5. Give the name of injection type in GC
6. Define: Interface.
7. Define: Rf Value
8. What is Mass analyzer?
9. Volatile compounds can be separated by GC. True or False
10.most common interface which is used in LC-MS.

Q.2 Answer any 5 questions. Each question carries 4 mark (5*4=20 Marks)

1. Write a note on application of UPLC.
2. Write a note on Injection in HPLC
3. Describe the Column chromatography.
4. Explain the application of TLC.
5. Discuss about the TLC preparation.
6. Explain detectors in GC.

Q.3 Answer any 3 questions. Each question carries 7 mark (3*7=21 Marks)

1. Describe any two interfaces for LC-MS.
2. Explain instrumentation of GC.
3. What are detectors? Explain Detector in HPLC.
4. Write a note on mass analyzer.

Best Of Luck