

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation
'Pharmaceutical Chemistry' Semester - IV
End Term Examination, April-2019.
Advanced Analytical Chemistry-II (PC 413)

Time: 2hrs

Date: 27/04/2019

Max. Marks: 50

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

1. Which of the following is not a type of liquid chromatography?

- (a) HPTLC (b) HPLC (c) GC (d) Column

2. Define: Accuracy.

3. is column is used in HPLC. (C¹⁸/ C¹³)

4. The pressure of HPLC is 6000 psi. True or False.

5. Which is not the type of injection in GC?

- (a) Spitted (b) Splitless (c) Direct (d) Indirect

6. Define: Stationary Phase.

7. Define: Linearity.

8. What is Validation of Process?

9. Non volatile compounds can be separated by GC. True or False

10. is universal detector in HPLC

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

1. Write a note on application of HPLC.

2. Write a note on Injection in GC.

3. Describe the difference between HPTLC over TLC.

4. Explain the Principle of HPTLC.

5. Discuss about the properties of process validation.

6. Explain detectors in GC.

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

1. Describe the application of GC.

2. Explain instrumentation in HPLC.

3. What is chromatography? Explain principle of GC.

4. Write a note on optimization and process validation.

Best Of Luck