Bachelor of Pharmacy (B. Pharm) Fourth Semester

BP403 - Pharmaceutical Analysis-II

P. Pages : 1 **GUG/W/18/1166**

Time : Three Hours * 0 8 7 9 * Max. Marks : 80

Notes : 1. All questions carry equal marks.
2. Diagrams and Chemical equation should be given wherever necessary.
3. Discuss the reaction, mechanism wherever necessary.
4. Que. **1** is compulsory and solve **any four** from remaining.

1. Solve **any four**. **4x4 =16**

a) Write the application of polarimetry.

b) Give factor affecting Thermogravimetry curve.

c) Define specific and molar refraction.

d) Write the principle of conductometry Titrations.

e) Give advantages and disadvantages of Glass electrodes.

2. Discuss in general principle, Instrumentation and Application of Differential Thermal Analysis (DTA). **16**
Elaborate the factor affecting DTA curves.

3. Discuss in details theory, Instrumentation and Application of Thermogravimetry Elaborate in details TG curves. **16**

4. Discuss in details theory of Refractometry. Give the instrumentation and Application of Refractometry. **16**
Elaborate the factor affecting refractive index.

5. Write in details about electrodes of potentiometry. **16**
Discuss about electrochemical cell and methods of end point detection of potentiometry.

6. Give the principle, Instrumentation and applications of polarimetry. **16**
Elaborate factor affecting angle of rotation of polarimetry.

7. Write about the instrumentation and application of conductometry. **16**
Elaborate factor affecting conductance and measurement of conductance.

****