

# Blank Quiz

B15 Class test 1

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Discuss different Thermograms in TGA

3 points

Dynamic thermogravimetry: In this technique the sample is heated in an environment whose temperature is changed in a linear manner

Quasistatic thermogravimetry: In this technique, the sample temperature is raised in sequential steps separated by isothermal intervals, during which the sample mass reaches stability before the start of the next temperature ramp.

Isothermal or static thermogravimetry: In this technique, the sample weight is recorded as a function of time at constant temperature.

The point in titration when the amount of added standard reagent is exactly equivalent to the amount of analyte.

2 points

- ☐ End point
- ☒ Equivalence point
- ☐ Titration point
- ☐ all of the above

Clear selection

Roll No.

2K20/B15/15



What is the pH range of Methyl Orange?

2 points

- ☐ 1-2
- ☒ 3.1-4.4
- ☐ 5-8
- ☐ none of the above

Clear selection

What is DSC? Discuss its principle

4 points

DSC stands for Differential scanning calorimetry. This technique is used to study what happens to polymers upon heating and also to study thermal transitions of a polymer.

Principle:

- 1) During a thermal event in the sample the system will transfer heat to or fro from the sample pan to maintain the same temperature in reference and sample pans.
- 2) The energy required to maintain zero temperature difference between the sample and the reference is measured
- 3) The sample and reference are maintained at the same temperature, even during a thermal event in the sample.

Name

ADITYA RAJ



Choose one indicator used in precipitation titration

2 points

- ☒ Potassium Chromate
- ☐ EBT
- ☐ Methyl red
- ☐ Starch

Clear selection

Hardness is expressed in terms of

2 points

- ☐ Sodium carbonate
- ☒ Calcium carbonate
- ☐ Magnesium carbonate
- ☐ Calcium bicarbonate

Clear selection

Untitled Question

- ☒ Option 1

Clear selection

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