

Asutosh College
Sem-3 Examination 2020
Chemistry General
Paper GE3 – practical

Time: 2 hrs.

Date:14.3.21(2-4pm)

Full marks :30

1. Write down the qualitative analysis of an inorganic sample when the sample provided is Sodium sulphate

You must include the following points to structure the systematic qualitative analysis.

- 1. Dry test for basic radicals 5**
 - a) Heating in a dry test tube**
 - b) Sodalime test**
 - c) Flame test**
 - d) Borax bead test**
 - e) Fusion test**

- 2. Dry tests for acid radicals 5**
 - a) Sample+ conc. H_2SO_4 +Zn-dust+ heat→**
 - b) Sample+ MnO_2 + conc. H_2SO_4 +heat→**
 - c) Sample + conc. H_2SO_4 +Cu-turnings+heat→**
 - d) Test for borate**
 - e) Test for phoasphate**

- 3. Wet test for basic radical (typical wet test/confirmatory test for the radical involved) 8**

- 4. Wet test for acid radical (typical wet test/ confirmatory test for the radical involved) 8**

- 5. Conclusion: Mention the acid and basic radicals with their proper formula and formal charge 2+2 =4**

Please send your pdf in the mail

acchemofficial@gmail.com

