The City School

**North Nazimabad Boys Campus**

**Second Monthly Test Session 2019 – 20**

**Class - 11**

**Time: 35 Minutes Chemistry Marks 25**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Paper II (theory)**

**Q.NO#1**





ZZZZ



 **[TOTAL MARKS 7]**

**Q.NO #2)**

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 **[TOTAL MARKS 6]**

**Q.NO #3 THIS QUESTION FROM ATP**

The mineral alstonite contains two different cations but only one anion.

The table shows the tests a student does on a sample of alstonite.

Complete the table. Any gases formed should be named.

|  |  |  |
| --- | --- | --- |
| test | observations | Conclusions |
| **(a)** To a portion of alstonitein a boiling tube, adddilute hydrochloric aciduntil all the solid hasdissolved.Use the resultingsolution in tests **(b)**, **(c)**and **(d)**. | The solid dissolves.Effervescence is observedand the gas formed turns limewater milky |  |
| **(b)** To a portion of thesolution from **(a)** in atest-tube, add dilute sulfuric acid. |  | Alstonite contains Ba+2 ions |

|  |  |  |
| --- | --- | --- |
| **(c)** To a portion of thesolution from **(a)** in atest-tube, add aqueoussodium hydroxide until in excess. |  | Alstonite contain+2 Ca ion |
| **(d)** To a portion of thesolution from **(a)** in atest-tube, add aqueous ammonia. |  | Alstonite contain Ca+2 ion |

  **[Total marks 7]**

**Q.No #4 THIS QUESTION FROM ATP**

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 **[total 5 marks]**