

**Girls' High School & College, Prayagraj**

**Assignment-4**

**Session : 2020-21**

**Class : X A, B, C, D, E, F**

**Subject : Chemistry**

**Instructions:**

The parents to ensure that their ward watches the video instructions for this assignment by clicking on the given links:-

1. <https://youtu.be/5LylGJqx60g>
2. <https://youtu.be/gDRU0NM1wao>
3. <https://youtu.be/CO9KzNghr0>

She should revise the lesson given in the book and then work on the assignment. The completed assignment is to be downloaded and filed /pasted in the subject file/ copy and kept ready for submission. The day, date and procedure of submission shall be notified later.

**Note: Chapter: Electrolysis**

**Book : Concise Chemistry ( Class X) by Dr. S.P. Singh (Selina Publication)**

**Answer the following questions:**

Q1) Give reasons for the following:

- (a) A graphite anode is preferred to other inert electrodes during electrolysis of fused lead bromide.
- (b) The blue colour of aq. copper (II) sulphate solution remains unchanged during its electrolysis using copper electrodes.
- (c) In the electrolysis of acidified water, dilute sulphuric acid is preferred to dilute nitric acid for acidification.

Q2) Write two applications of electrolysis in which the anode diminishes in mass.

Q3) Write equations of reactions taking place at anode for:

- (a) Silver plating of a spoon.
- (b) Purification of copper.

**Note:** Refer to page 118 and 119 in your book and do questions asked in the year 2012 and 2014 in your Chemistry note book along with the questions given above.

**“END”**