

GIRLS' HIGH SCHOOL AND COLLEGE

2020-2021

Class XII A & B

CHEMISTRY

ASSIGNMENT NO. – 2

Instructions:

Parents to ensure that their ward watches the video instructions for the assignment by clicking on the given links: 1. https://youtu.be/boWsSHt_V2Q

2. <https://youtu.be/H6dCpoedzvl>

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

Reference Book: ISC Chemistry Class 12th Volume 2 – Dr. H.C. Srivastava

Chapter: Electrochemistry

Topic: Electrode Potential, Electrochemical Series

Apart from watching the topics discussed in the video, the students should also refer to the following topic

1. Nernst Equation (Page 144)
2. Gibbs Free Energy and EMF of the Cell (Page 148)

Answer the following questions:

Q1). Do Q13(a) on Page 206 from your prescribed course book.

Q2). Give reasons for the following:

- a). Can we use a copper vessel to store 1M AgNO₃ solution?
- b). Why blue colour of copper sulphate solution gets discharged when zinc rod is dipped in it?

Q3). Do Q15, Q16(c) on Page 206 from your prescribed course book.

Q4). Can we store

- a). Ferrous Sulphate solution in silver vessel.
- b). Copper Sulphate solution in iron vessel.

Give suitable explanation in support of your answer.

Q5). Do Q32 on Page 207 from your prescribed course book.

Q6). Do Q25 on Page 206 from your prescribed course book
