

Home Assignment – I

Subject: Chemistry
Class: 3rd Semester (General)
Paper: E 301 (General Chemistry)
Total Marks: 25

Answer all the questions

1. Draw the structure of diborane indicating different bond angles. 4
2. Write a short note on interhalogen compounds. 5
3. Describe the steps involved in the extraction of Ni by Mond's process. 5
4. Write the biological role of Fe, Cu and Zn. 2+2+2=6
5. State and explain Kohlrausch's law of independent migration of ions. 2+3=5

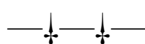


Home Assignment – II

Subject: Chemistry
Class: 3rd Semester (General)
Paper: E 301 (General Chemistry)
Total Marks: 25

Answer all the questions

1. a) Define ionization energy. 1
b) Explain the variation of ionization energy along a group and along a period in the periodic table. 4
2. Define transition elements. Write any three properties of transition elements. 1+ 3=4
3. Write a short notes on: 3x3=9
 - a) Chelates
 - b) Fuel Cell
 - c) Dry Cell
4. Explain Galvanic Cell and describe its description and working process. 5
5. What is transport number ? Write mathematical expressions. 2



INSTRUCTINS

1. Submit the two assignments separately.
2. Write both question and answer in the assignment.
3. Write the assignments in A4 size paper with black ball pen. There should be sufficient spacing between successive lines.
4. The A4 sized papers used for writing assignment should be properly margined (1inch in all the four sides).
5. Submit the hard copy of the Home Assignment – I & Home Assignment – II to the HoD, Department of Chemistry, on or before 10th August, 2021. If a candidate resides outside Hojai district, he/she may send the pdf copy of the two assignments to **drskchem@gmail.com**.
6. The cover page of the assignments should contain the following:
 - a) Home Assignment No.
 - b) Name of Student
 - c) GU Roll No.
 - d) GU Registration No
 - e) Class
 - f) Date of submission.
7. While submitting the assignments, enlist your name the Departmental Register.
8. For any clarification, contact:
 - a) Dr. S Kumar (HoD) – 9435069312
 - b) Dr. S. R. Acharjee – 9435069311.

