

Raiganj Surendranath Mahavidyalaya

Department Of Chemistry

Internal Examination Of Semester II (Honours)

Paper Code - CEMHT3(Inorganic)

Paper -DC3

Time - 30 min

F.M. - 10

Date - 22/12/2020

Answer all questions (Each question carries 2 marks)

1. What is the ground state term symbol of oxygen atom ?
2. What is the condition of normalisation and orthogonality of wave function ?
3. The radii of Zr (IV) and Hf (IV) are nearly identical why ?
4. Explain HSAB principle with suitable examples .
5. Write down Nernst Equation. What is the effective nuclear Charge felt by 1s electron of He atom ?

