

GOVERNMENT DEGREE COLLEGE, SERILINGAMPALLY

R R District

Assignments:

Date: 01.12.2020

Class: II BSc (BZC, MPC, MCCs)

Semester: III

1Q) What is Lanthanide Contraction. What are its consequences.

2Q) Discuss about the colour and magnetic properties of f-block elements.

3Q) What is EAN rule. Calculate the EAN of $\text{Ni}(\text{CO})_4$ complex.

4Q) Explain Ionization and Linkage isomerisms with suitable examples

Submission date: 02.01.2021

Submitted by: 4 students

Assignments:

Date: 01.12.2020

Class: II BSc (BZC, MPC, ZCCs, MCCs)

Semester: I

1Q) What is Inductive Effect. Explain with suitable examples

2Q) Draw the MOED of O_2 molecule and Calculate the bond order.

3Q) What are Electron Deficient compounds. Discuss the structure of an electron deficient compound you have studied

4Q) What are silicones. How are they synthesized.

Submission date: 02.01.2021

Submitted by: 21 students

Assignments:

Date: 12.03.2021

Semester: IV

Class: II BSc (BZC, MPC, MCCs)

1Q) Explain about the Crystal Field Splitting in Octahedral Complexes.

2Q) Define hard and soft acids and bases. What is HSAB principle.

3Q) What is band theory of metals.

4Q) Write a note on Knoevenagel condensation.

Submission date: 20.04.2021

Submitted by: 4 students

Assignments:

Date: 12.03.2021

Semester: II

Class: I BSc (BZC, MPC, ZCCs MCCs)

1Q) What are interhalogen compounds. Discuss about the structure of AX_3 type interhalogen compounds.

2Q) Draw the structure of $XeOF_4$

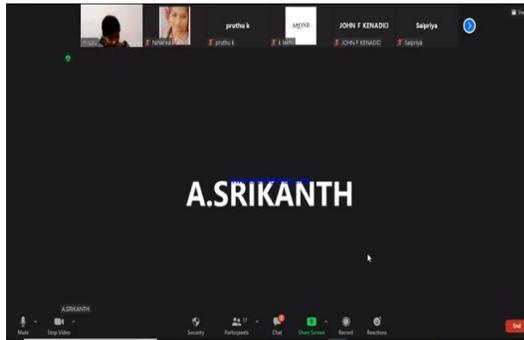
3Q) Discuss about the colour properties of d-block elements

4Q) What is walden inversion. Where is it observed.

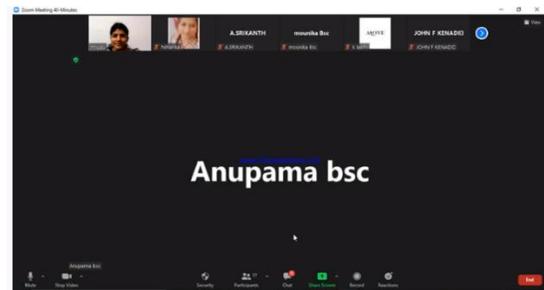


Signature of the Lecturer

STUDENT SEMINARS



Seminar by Srikanth | BZC on f-block elements
Presented on 02/07/2021



Seminar by Anupama | MCCs on OMCs
Presented on 02/07/2021

A handwritten signature in blue ink, consisting of a stylized 'S' followed by a horizontal line and a vertical line.

Signature of the Lecturer