

**B.L.D.E.Association's
S.B.Arts and K.C.P. Science College, Vijayapur.**

PG DEPARTMENT OF CHEMISTRY

GUEST LECTURE 2022-23

Topic: Inorganic Chemistry- Metal Complex and acid base chemistry

For

PG Dept of Chemistry Students

Date: 21st April. 2023

Time: 10:30 am.

VENUE

Seminar Hall,

S.B.Arts and K.C.P.Science College,

Vijayapur

.P. G. Department of Chemistry

Guest lecture

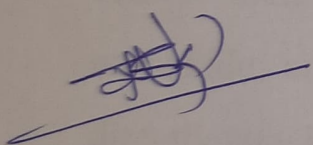
By

Mr. Vinayak Bellad

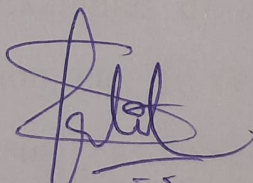
Notice

Date: 13/04/2023

All the PG Dept of Chemistry students are hereby informed to attend the guest lecture organized by PG Department of Chemistry on the Topic: **Inorganic Chemistry- Metal Complex and acid base chemistry** on 21/04/2023 in seminar hall at 10:30 am.



Co-ordinator
P.G.Department of Chemistry
S.B.Arts & K.C.P. Science College,
Vijayapur-586101.



IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.



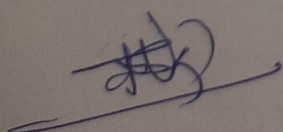
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

REPORT

Inorganic Chemistry- Metal Complex and acid base chemistry

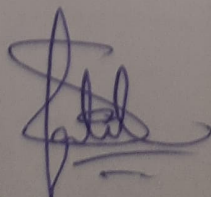
An acid is any hydrogen-containing substance that is capable of donating a proton (hydrogen ion) to another substance. A base is a molecule or ion able to accept a hydrogen ion from an acid. Acidic substances are usually identified by their sour taste. An acid is basically a molecule which can donate an H^+ ion and can remain energetically favourable after a loss of H^+ . *Acids are known to turn blue litmus red.* Bases, on the other hand, are characterized by a bitter taste and a slippery texture. A base that can be dissolved in water is referred to as an alkali. When these substances chemically react with acids, they yield salts. *Bases are known to turn red litmus blue.*

Metal complexes consist of a central metal atom or ion surrounded by several atoms, ions or molecules, called *ligands*. Ligands are ions or molecules that can have an independent existence, and are attached to the central metal atom or ion. Examples of ligands are halide ions, carbon monoxide, ammonia, cyanide ion, etc. In describing complexes, the ligands directly attached to the metal (usually as Lewis bases, donating electrons to the metal), are counted to determine the coordination number of the complex. Ions that are directly coordinated to the metal are written within the brackets of the formula, and are referred to as *inner sphere*. Ions that are serving as counter ions in order to produce a neutral salt, and are not coordinated to the metal are called *outer sphere*, are written outside of the brackets in the formula.



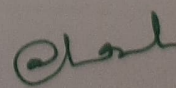
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Principal,

S.B. Arts and KCP Science College
VIJAYAPUR

Guest Lecture

Topic: Inorganic Chemistry- Metal complex and acid base chemistry

Date: 21-04-2023

Guest Lecture : Mr.Vinayak Bellad

S.No	Names	Signature
1	RAHUL SIDDAPPA HAVALDAR	
2	AKSHATA A MARANUR	<i>Amaras</i>
3	APEKSHA SHIRASHYAD	<i>Apk</i>
4	SAHEBAGUOD KUMATAGI	<i>Shah</i>
5	Danamma Shiragoor	<i>D.p.shiragoor</i>
6	Goudappagouda B Angadageri	<i>Angadageri</i>
7	KAVERI OGEPPA UTAGI	<i>K.O. utagi</i>
8	SARASWATI MATHAPATI	<i>Sgm</i>
9	Rashmi Gurupad Dashyal	<i>Rashmi</i>
10	MAHMAD ZUBER TERADAL	
11	KETAN CHINCHAKHANDI	<i>Ketan</i>
12	POOJA NIKKAM	
13	ABDULHAMEED HUSENBASHA Patel	
14	AISHWARYA ASANGI	<i>Asangi</i>
15	PRATIKSHA MANAGULI	<i>Managuli P.R</i>
16	SOMANATH BANAGAR	<i>S.Banagar</i>
17	Keshav Chatter	<i>K.S.chatter</i>
18	SHREEPADARAJ G KULAKARNI	
19	VIBHA V RAO	<i>Vibha Rao</i>
20	SHYAMARAY VALASANG	<i>Valasang</i>
21	Chandrashekhar N Konnurmath	<i>CP</i>
22	RACHAPPA SIDDAPPA ANGADI	
23	Vaibhav kaladagi	
24	Mahesh Halabar	
25	LAXMI KADADEVAR	<i>Lad</i>
26	ASHWINKUMAR Y HAVANNAVAR	
27	Vidyashri Ramrao Chavan	<i>Ch</i>
28	Shivani R Kokatnur	
29	SWATISHREE	<i>Swatishree</i>
30	LAKSHMI MALLIKARJUN PATIL	<i>Patil</i>

Co-ordinator

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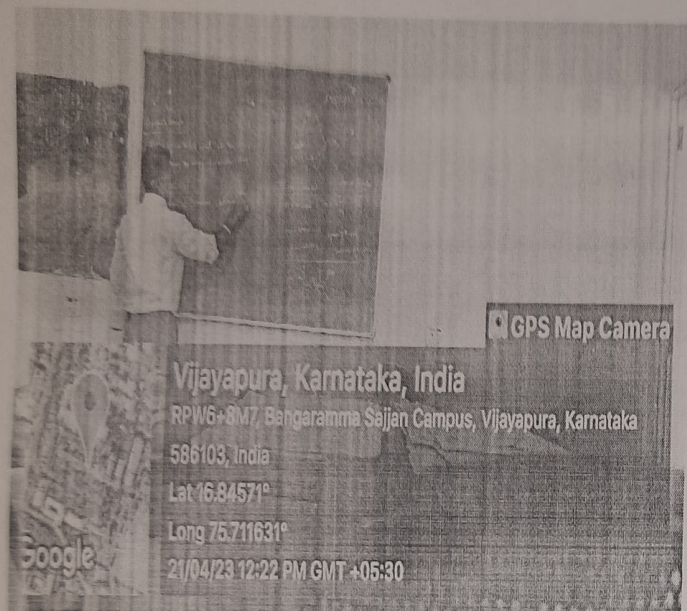
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