

**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: UV and Microwave Spectroscopy

For

PG Dept of Chemistry Students

Date: 15th April. 2023

Time: 8:30 am.

VENUE

Seminar Hall,

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

Vijayapur

.P. G. Department of Chemistry

Guest lecture

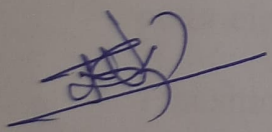
By

Dr. Tasneem Taj

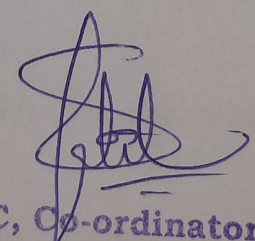
Notice

Date: 08/04/2023

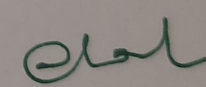
All the PG Dept of Chemistry students are hereby informed to attend the guest lecture organized by PG Department of Chemistry on the Topic: **UV and Microwave Spectroscopy** on 15/04/2023 in seminar hall at 8:30 am.



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.

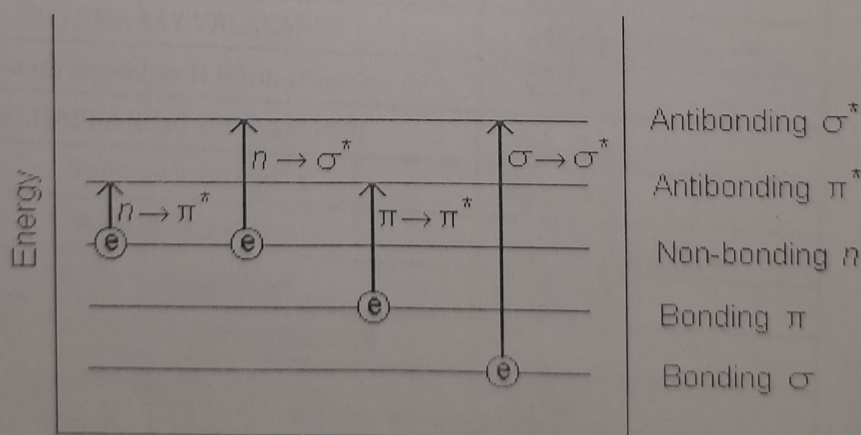


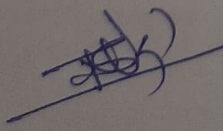
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

REPORT

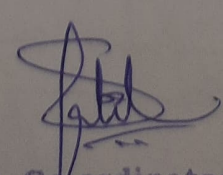
UV and Microwave Spectroscopy

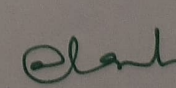
- ✓ Many molecules absorb ultraviolet or visible light.
- ✓ The absorbance of a solution increases as attenuation of the beam increases.
- ✓ Absorbance is directly proportional to the path length, b , and the concentration, c , of the absorbing species.
- ✓ *Beer's Law* states that $A = ebc$, where e is a constant of proportionality, called the *absorbtivity*.
- ✓ Different molecules absorb radiation of different wavelengths.
- ✓ An absorption spectrum will show a number of absorption bands corresponding to structural groups within the molecule.
- ✓ For example, the absorption that is observed in the UV region for the carbonyl group in acetone is of the same wavelength as the absorption from the carbonyl group in diethyl ketone.
- ✓ The absorption of UV or visible radiation corresponds to the excitation of outer electrons.
- ✓ Transitions involving SIGMA, PI, and n electrons.




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

M.Sc. CHEMISTRY First Semester 2022-23

Guest Lecture

Topic: Spectroscopy

Date: 15-04-2023

Guest Lecture : Dr. Tasneem Taj

S.No	Names	Signature
1	RAHUL SIDDAPPA HAVALDAR	Rahul
2	AKSHATA A MARANUR	Akshata
3	APEKSHA SHIRASHYAD	Apeksha
4	SAHEBAGLOUD KUMATAGI	Saheb
5	Danamma Shiragoor	D. p. Shiragoor
6	Goudappagouda B Angadageri	Goudageri
7	KAVERI OGEPPA UTAGI	K.O. utagi
8	SARASWATI MATHAPATI	Saraswati
9	Rashmi Gurupad Dashyal	Rashmi
10	MAHMAD ZUBER TERADAL	Mahmad
11	KETAN CHINCHAKHANDI	Ketan
12	POOJA NIKKAM	Pooja
13	ABDULHAMEED HUSENBASHA Patel	
14	AISHWARYA ASANGI	Asangi
15	PRATIKSHA MANAGULI	Managuli P.R
16	SOMANATH BANAGAR	S.Banagar
17	Keshav Chatter	K. Chatter
18	SHREEPADARAJ G KULAKARNI	Shree
19	VIBHA V RAO	Vibha
20	SHYAMARAY VALASANG	Shyam
21	Chandrashekhar N Konnurmath	Ch
22	RACHAPPA SIDDAPPA ANGADI	Rachappa
23	Vaibhav kaladagi	Vaibhav
24	Mahesh Halabar	M.E. Halabar
25	LAXMI KADADEVAR	Laxmi
26	ASHWINKUMAR Y HAVANNAVAR	
27	Vidyashri Ramrao Chavan	Vidyashri
28	Shivani R Kokatnur	Shivani
29	SWATISHREE	Swatishree
30	LAKSHMI MALLIKARJUN PATIL	Lakshmi

Co-ordinator

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Vilavapur 586104

IQAC, Co-ordinator

S.B.Arts & K.C.P. Science College
Vijayapur.

Principal,

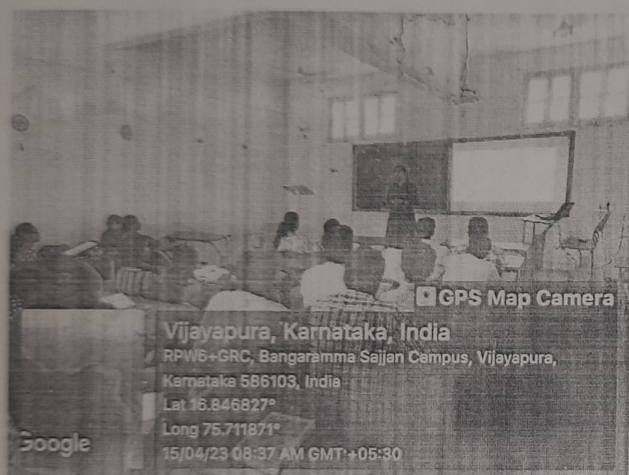
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