

**GOVERNMENT DEGREE COLLEGE,
BELLAMPALLY**

**DISTRICT- MANCHERIAL,
TELANGANA**

STUDENT SEMINAR

2019-2020

NAME OF THE STUDENT: S.Shirisha

GROUP : BSc(MPC) 1st Year

TOPIC : Magnetic moment

SYNOPSIS: Due to the presence of unpaired electrons in the (n-1)d-orbital's , most of the transition metals ions and their compounds are paramagnetic i.e. they are attracted by the magnetic field.

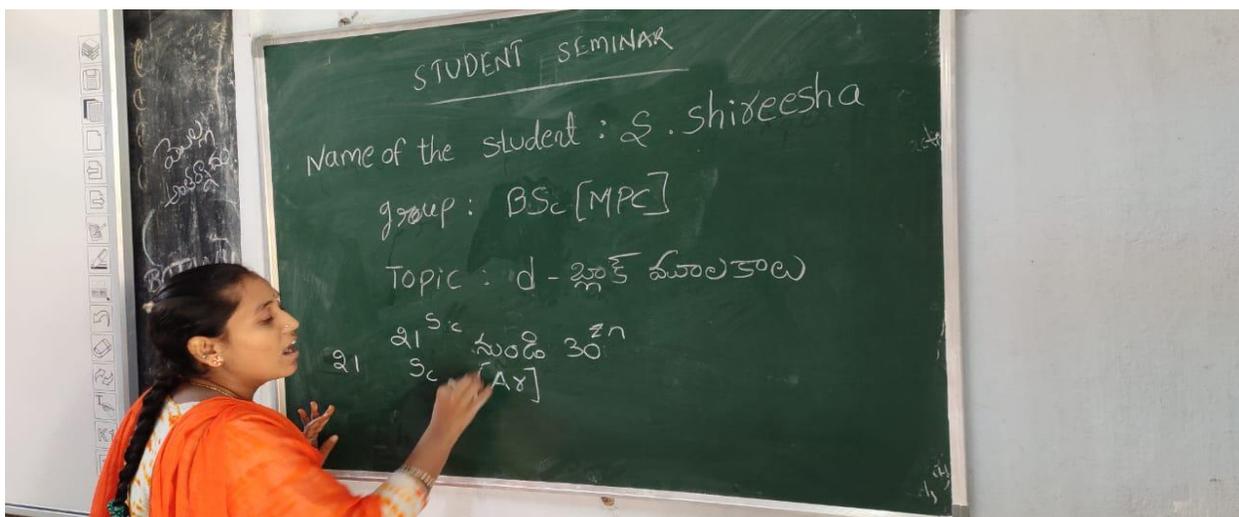
As the number of number of unpaired electrons increases from 1 to 5 , the magnetic moment and hence paramagnetic character also increases.

Those transition elements which have paired electrons are diamagnetic i.e. they repelled by magnetic field.

Metals like Co and Ni posses' high Para magnetism where they obtain permanent magnetic moment and are refereed as ferromagnetic.

The **magnetic moment** of a **magnet** is a quantity that determines the force that the **magnet** can exert on electric currents and the torque that a **magnetic** field will exert on it. A loop of electric current, a bar **magnet**, an electron, a molecule, and a planet all have **magnetic moments**.

The **magnetic moment** (μ) is a vector quantity used to measure the tendency of an object to interact with an external **magnetic** field. In NMR, the object of interest is typically a molecule, atom, nucleus, or subatomic particle.



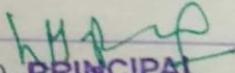
Students Attendance :

S.NO	Name of the student	Group	Signature
1	V. Ravi teja	MPC	V. RAVI TEJA
2	S. sravani	MPC	S. Sravani
3	N. Manasa	MPC	N. Manasa
4	S. shireesha	MPC	
5	A. sainija	BZC	A. Sainija
6	poorna manasa	BZC	
7	E. Maheshwari	BZC	E. Maheshwari
8	P. Anjamma	BZC	P. Anjamma
9	D. poavalika	BZC	D. Poavalika
10	G. naga Rani	BZC	
11	E. Lakmi	BZC	
12	A. kishnaveni	BZC	
13	S. Apoorva	BZC	
14	B. sandhya rani	BZC	
15	R. sai suma	BZC	
16	G. swapna	BZC	G. Swapna
17	P. jyothe	BZC	
18	D. Sri Kanth	BZC	Sri Kanth
19	B. Rajitha	MPC	B. Rajitha
20	Ch. swapana	MPC	ch. swapna
21	A. BHAGYA	MPC	
22	P. Jayanthi	BZC	P. Jayanthi

D. Laxmi	BZC
K. Mamatha	BZC
D. Dorew	BZC
R. RAVALEKA	MPC

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M. Kurnasa, Secretary
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**GOVERNMENT DEGREE COLLEGE, BELLAMPALLY,
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**DEPARTMENT OF CHEMISTRY
STUDENT SEMINAR REGISTER
ACADEMIC YEAR 2019-2020**

**GOVERNMENT DEGREE COLLEGE,
BELLAMPALLY**

**DISTRICT- MANCHERIAL,
TELANGANA**

STUDENT SEMINAR

2019-2020

NAME OF THE STUDENT: N.MANASA

GROUP : BSc(MPC) 1st Year

TOPIC : Reactions with Ammonia Derivatives &
Carbonyl Compounds

SYNOPSIS : In organic chemistry, a **carbonyl group** is a functional **group** composed of a carbon atom double-bonded to an oxygen atom: $C=O$. It is common to several classes of organic **compounds**, as part of many larger functional groups. A **compound** containing a **carbonyl group** is often referred to as a **carbonyl compound**.

The main **reactions** of the **carbonyl** group are nucleophilic additions to the carbon-oxygen double bond. As shown below, this addition consists of adding a nucleophile and hydrogen across the carbon-oxygen double bond. ... The carbon atom has a partial positive charge, and the oxygen atom has a partially negative charge.

Other aldehydes of industrial significance are mainly used as solvents, perfumes, and flavouring agents or as intermediates in the manufacture of plastics, dyes, and **pharmaceuticals**. Certain aldehydes occur naturally in flavorings agents.



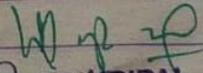
THANKING YOU SIR

Students attended :

No.	Name of the student	Group	Signature
1	P. Jayanthi	BZC	P. Jayanthi
2	S. Ramya Sri	(B.C. Ca)	S. Ramya
3	D. Laxmi	BSc. BZC	D. Laxmi
4	K. Manalatha	BSc. BZC	K. Manalatha
5	M. Chandrakala	BSc. BZC	M. Chandrakala
6	P. Ramadevi	BSc. MPC	P. Ramadevi
7	A. Keishnaveni	BSc BZC	A. Keishnaveni
8	A. Bhagya.	BSc MPC	A. Bhagya
9	S. Sravani	B.Sc MPC	S. Sravani
10	N. Manasa	B.Sc MPC	N. Manasa
11	- Ramadevi	B.Sc MPC	Ramadevi
12	J. Ramya	B.Sc MPC	J. Ramya
13	R. Ravalika	B.Sc MPC	R. Ravalika
14	P. Tyotli	B.Sc BZC	P. Tyotli

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**STUDENT SEMINAR
2019-2020**

NAME OF THE STUDENT: S.Sravani

GROUP : BSc (MPC) Ist Year

TOPIC : The Reactions of Grignard Reagent with
Carbonyl Compounds

SYNOPSIS: **Grignard reagents** are **used** synthetically to form new carbon–carbon bonds. A **Grignard reagent** has a very polar carbon–magnesium bond in which the carbon atom has a partial negative charge and the metal a partial positive charge.

Grignard reactions are one of the **most important reaction classes** in **organic chemistry**. **Grignard reactions** are **useful** for forming carbon-carbon bonds. **Grignard reactions** form alcohols from ketones and aldehydes, as well as **react** with other **chemicals** to form a myriad of **useful compounds**.

Grignard Reagents. The Grignard Reaction is the addition of an organ magnesium halide (Grignard reagent) to a ketone or aldehyde, to form a tertiary or secondary **alcohol**, respectively. The reaction with **formaldehyde** leads to a primary **alcohol**.



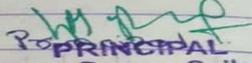


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1	V. Ravi teja	MPC	V. Ravi
2	S. Sravani	MPC	S. Srava
3	N. Manasa	MPC	N. Man
4	S. shireesha	MPC	S. shire
5	A. Bhagya	MPC	
6	A. srinija	BZC	A. Srin
7	poorna manasa	BZC	
8	P. Anjamma	BZC	P. Anjan
9	D. poavalika	BZC	D. Poavali
10	G. Naga Rani	BZC	
11	E. Maheshwari	BZC	E. Mahesh
12	E. Laxmi	BZC	
13	S. Apoorva	BZC	
14	R. Sai suma	BZC	
15	G. swapna	BZC	Grishma
16	B. Rajitha	MPC	B. Rajitha
17	ch. swarna	MPC	ch. swarna
18	D. srinikanta	BZC	<u>Srinika</u>
19	P. Jayanthi	BZC	P. Jayanthi
20	D. Laxmi	BZC	Laxmi
(21)	K. namaha	BZC	Namaha
21)	D. Hare	BZC	Hare

S.NO.	Name of the student	Group	Signature
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M. KURUPAKOTA SUDHAKAR
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