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M, G.V.C.ARTS, COMMERCE AND SCIENCE COLLEGE

MUDDEBIHAL 586212

DEPARTMENT OF BOTANY

SEMINAR FOR B.Sc. VI SEMESTER STUDENTS Paper-II
YEAR 2023-24

Sl.No	Reg. No	Name of the Students	Topic name
1	U15NU21S0024	Manjula Lakkannavar	carbohydrates
2	U15NU21S0032	Muskan Mujavar	protiens
3	U15NU21S0035	Sangeeta	Amino acids
4	U15NU21S0065	Vinuta	vitamins
5	U15NU21S0086	Rajayabegum R	lipids
6	U15NU21S0093	Bhagyashree k	Secondary plants and products





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SEMINAR FOR B.Sc. VI SEMESTER STUDENTS Paper-I
YEAR 2023-24

Sl.No	Reg. No	Name of the Students	Topic name
1	U15NU21S0024	Manjula Lakkannavar	Prokaryotic and eukaryotic cell
2	U15NU21S0027	Pratibha. Dodamani	Plasma membrane, mitochondria and chloroplast
3	U15NU21S0032	Muskan Mujavar	Nucleus and ribosomes
4	U15NU21S0035	Sangeeta	Marker enzymes
5	U15NU21S0065	Vinuta	Transport in mitochondria and chloroplast
6	U15NU21S0086	Rajiyabegum R	Endoplasmic reticulum and golgi complex
7	U15NU21S0093	Bhagyashree k	Active and passive transport

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SEMINAR FOR B.Sc. V SEMESTER STUDENTS Paper-II
YEAR 2023-24

Sl.No	Reg. No	Name of the Students	Topic name
1	U15NU21S0024	Manjula Lakkannavar	Heterosis in breeding application
2	U15NU21S0032	Muskan Mujavar	Role of mutation breeding in crop improvment
3	U15NU21S0035	Sangeeta	Monogenic and polygenic inheritance
4	U15NU21S0065	Vinuta	Polyploidy distant hybridization and role of biotechnology in crop improvment
5	U15NU21S0086	Rajiyabegum R	Quantitative inheritance
6	U15NU21S0093	Bhagyashree k	Self, cross and vegetative propagation in plants

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SEMINAR FOR B.Sc. FIFTH SEMESTER STUDENTS Paper-I
YEAR 2023-24

Sl.No	Reg. No	Name of the Students	Topic name
1	U15NU21S0024	Manjula Lakkannavar	Monophyly. Paraphyly. polyphyly
2	U15NU21S0032	Muskan Mujavar	Primitive and advanced Homology and Analogy
3	U15NU21S0035	Sangeeta	Parallism v/s convergence
4	U15NU21S0065	Vinuta	Co-evolution of angiosperm and animals
5	U15NU21S0086	Rajayabegum R	Clade and phylogenetic tree related terms
6	U15NU21S0093	Bhagyashree k	Cladogram

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DEPARTMENT OF HINDI

Seminar

2023-2024



B.A. 4th Semester

Sl. No	NAME OF THE STUDENTS	TOPIC	SIGN
01	Ashwini P	प्रकाशिक साहित्य	Ashwini
02	Lalita Rathod	साहित्य और समाज	Lalita
03	Anand Rathod	साहित्य और समाज	Anand
04	Sunita Rathod	-	-
05	Basavaraj B Gujjal	साहित्य और समाज	B. Gujjal
06	Ajay Rathod	आचार्यक उपन्यास	Ajay Rathod
07	Ashok Tumbagi	आचार्यक उपन्यास	Ashok
08	Pooja Chavhan	आचार्यक उपन्यास	P.R. Chavhan
09	Mahmmadjafar Hallur	आचार्यक उपन्यास	M.H.
10	Abubakar M Yalagi	पूर्वासा साहित्य	Yalagi
11	Sayibanna B Gujjal	पूर्वासा साहित्य	S.B. Gujjal
12	Vidyashree S Sandimani	पूर्वासा साहित्य	V.S.S.
13	Irfan K Avati	-	-
14	Devaraj R Chavan	-	-
15	Sujeet K Rathod	-	-

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DEPARTMENT OF SOCIOLOGY

Class: B.A 1st DSC-1 Semester 2023-24
Seminar List



Sl.no	Register No	Name of the Students	Signature
01	U15NU23A0014	Ganesh Hadapad	
02	U15NU23A0015	Basavaraj Kolor	
03	U15NU23A0044	Parusharam Hadapad	
04	U15NU23A0052	Vijayalaxmi Biradar	N. T. Biradar
05	U15NU23A0054	Hanamavva Madar	H. H. madar
06	U15NU23A0055	Mallikarjun Narasareddi	
07	U15NU23A0059	Abdulla	
08	U15NU23A0068	Neelamma Melinamani	N. Y. Melinamani
09	U15NU23A0069	Santosh Madikeshwar	
10	U15NU23A0070	Basavaraj	
11	U15NU23A0072	Rajak Mulla	
12	U15NU23A0104	Beeraling Patil	
13	U15NU23A0108	Rahul Naduvinamani	
14	U15NU23A0110	Vaishnavi Yalavar	Vaishnavi
15	U15NU23A0119	Bhagyashree	
16	U15NU23A0125	Vikas Chavhan	
17	U15NU23A0138	Nivedita Biradar	N. N. Biradar
18	U15NU23A0141	Kaveri Rathod	
19	U15NU23A0142	Afrina Sultan	Afrina sultan
20	U15NU23A0158	Vijayakumar Madar	
21	U15NU23A0165	Paruk Nadaf	
22	U15NU23A0166	Chandrashekhar	
23	U15NU23A0177	Laxmi Bavur	Laxmi Bavur
24	U15NU23A0181	Sudeep Bommanagi	
25	U15NU23A0185	Mahesh Hiremath	
26	U15NU23A0187	Javeed Walikar	
27	U15NU23A0199	Siddu Chalawadi	
28	U15NU23A0204	Prakash Natikar	
29	U15NU23A0206	Rajamhammad Naykodi	
31	U15NU23A0214	Vinod Pawadashetti	
31	U15NU23A0231	Nadagouda Patil	

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Head

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List of seminar conducted during the year-2023-24(Jan)

Class – Bsc IIIrd semester

Sl. No	Reg.No	Name of the Students	Seminar Topics	signature
1	U15NU22S0004	Shivaleela.S.Kanakal	RNA polymerase types	S.S.Kanakal
2	U15NU22S0005	Ganesh Muradi	Electron microscope	Ganesh M.
3	U15NU22S0016	Soumya Hangaragi	Genetic code and its characteristics	SHTH
4	U15NU22S0027	Nasarin Diddimani	Transcription in Eukaryotes	N.G.Diddimani
5	U15NU22S0028	Prajwal Pattepuramath	Principles and Applications of Dark field microscope	Prajwal P.
6	U15NU22S0029	Chaitra Nadagouda	Principles and Applications of Centrifugation	chaitra
7	U15NU22S0030	Bibiuzma Mudnal	Chromatography	Bibiuzma
8	U15NU22S0031	Akshata b Bovi	Colorimetry	A.B. Bhatt.
9.	U15NU22S0035	Vidyashree G Ambiger	Principles and Applications of Auto Radiography	Vidyashree
10.	U15NU22S0039	Shahinsaba K Mulla	SDS-PAGE	Mulla.
11.	U15NU22S0040	Deepa Vaddodagi	Types and functions of RNA polymerases	Deepa
12	U15NU22S0043	Sneha P Aski	PCR technique	Sneha
13	U15NU22S0044	Shashikala S Awati	DNA Finger printing	Awati
14	U15NU22S0049	Zaveriya A Momin	pH meter	Zaveriya
15	U15NU22S0051	Aftab K Pinjar	ELISA	Aftab
16	U15NU22S0052	Zahurahamed N Shivalli	Blotting Techniques	Zahur N. Shivalli


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List of seminar conducted during the year-2023-24

Class – Bsc IV semester

Sl. No	Reg.No	Name of the Students	Seminar Topics	signature
1	U15NU22S0004	Shivaleela.S.Kanakal	A note on Transgenic Fish and Cow	S.S Kanakal
2	U15NU22S0005	Ganesh Muradi	Steps involved in Recombinant DNA Technology	Ganesh...
3	U15NU22S0016	Soumya Hangaragi	The properties of Antigens	Soumya
4	U15NU22S0027	Nasarin Diddimani	Multiple sequence alignment	N.G. Diddimani
5	U15NU22S0028	Prajwal Pattepuramath	Direct method of gene transfer method	Prajwal
6	U15NU22S0029	Chaitra Nadagouda	A note on Transgenic Fish and Cow	Chaitra
7	U15NU22S0030	Bibiuzma Mudnal	Acquired immunity	Bibiuzma
8	U15NU22S0031	Akshata b Bovi	Innet immunity	A.B. Bovi
9.	U15NU22S0035	Vidyashree G Ambiger	Direct method of gene transfer method	Vidyashree
10.	U15NU22S0039	Shahinsaba K Mulla	Steps involved in Recombinant DNA Technology	Mulla.
11.	U15NU22S0040	Deepa Vaddodagi	Applications of bioinformatics	Deepa
12	U15NU22S0043	Sneha P Aski	Multiple sequence allignment	Sneha
13	U15NU22S0044	Shashikala S Awati	The properties of Antigens	Shashikala
14	U15NU22S0049	Zaveriya A Momin	Innet immunity	Zaveriya
15	U15NU22S0051	Aftab K Pinjar	Acquired immunity	Aftab
16	U15NU22S0052	Zahurahamed N Shivalli	Applications of bioinformatics	Zahurahamed

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Department of Zoology

List of seminars conducted by the students during the year -2022-23(January)

Class – Bsc Vth semester

Sl.No	Reg.No	Name of the Students	Seminar Topics	Signature
1.	U15NU21S0002	Khwajabandenawaz. M.Mulawad	Morphological structure of Herdmania	
2.	U15NU21S0024	Manjula.S, Lakkannavar	Outline Classification of phylum Chordata	
3.	U15NU21S0027	Pratibha P Dodamani	Morphological structure of Balanoglossus	
4.	U15NU21S0032	Muskan Mujawar	Circulatory system in Branchiostoma	
5.	U15NU21S0035	Sangeeta P Jainapur	General characters and classification of Protochordata	
6.	U15NU21S0040	Sohail R Desai	General characters of Class Reptilia	
7.	U15NU21S0065	Vinuta M Kumbar	Structure of Ascidian tadpole	
8.	U15NU21S0086	Rajiyabegum H Rudrawadi	Fundamental characters of phylum Chordata	
9.	U15NU21S0093	Bhagyashree K	Feeding mechanism in Branchiostoma	

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SEMINARS OF THE YEAR 2023-24

Sl. No	Reg. No	Name of the students	Topic
01	U15NU23S0010	Sapna Biradar	Nutrition in fungi
02	U15NU23S0011	Deepa Nagaral	Grain smut of Sorghum
03	U15NU23S0012	Billkishabanu sankal	Parasexuality in fungi
04	U15NU23S0018	Laxmi Alagundi	General characteristics of Fungi
05	U15NU23S0020	Heenakousar walikar	Type study of Puccinia
06	U15NU23S0023	Ashwini Hugar	Black stem rust of Fungi
07	U15NU23S0024	Rakshita Harjan	Citrus Canker
08	U15NU23S0031	Ambika S. Kodekal	Economic importance of fungi
09	U15NU23S0042	Bhagya Hachadad	Classification of Fungi
10	U15NU23S0061	Chaithra	General characteristics of Fungi
11	U15NU23S0064	Seema Kongadi	Downy mildew of Bajra
12	U15NU23S0073	Nitish Hokrani	Bacteriophage
13	U15NU23S0078	Praveen Kadasidda	Tobacco Mosaic virus
14	U15NU23S0079	Saraswati Hadapad	Type study of Rhizopus
15	U15NU23S0085	Yankamma P H	Heterothallism
16	U15NU23S0088	Jyoti Pattar	Type study of Penicilium
17	U15NU23S0101	Bhagyashree Desai	Thallus organization of fungi

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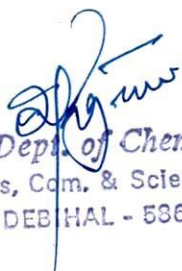
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DEPARTMENT OF CHEMISTRY
STUDENTS SEMINAR 2023-24
LIST OF SEMINARS FOR EVEN SEMESTERS

Sl. No	Class	Name of the Student	Seminar Topic	Staff In charge
1	B.Sc- II Sem	Pruthvi Budni	Determination of Lattice Energy of NaCl by Born-Haber Cycle	ASB
		Jyoti Pattar	Covalent Bond	ASB
2	B.Sc- IV Sem	Vijayalaxmi Nandihal	SP ³ Hybridization for BF ₃ Molecule	UAH
		Mallika B.A	Activation Energy	UAH
3	B.Sc- VI Sem P-I	Shashirekha R L	Splitting of d-orbitals in Tetrahedral Field	CSK
		Pooja Hugar	Inorganic Polymers	CSK
	B.Sc- VI Sem P-II	Shahin Naikodi	Precipitation Titrimetry	ASB
		Priyanka Hosamani	Determination of Hardness of water	


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DEPARTMENT OF CHEMISTRY
STUDENTS SEMINAR 2023-24
LIST OF SEMINARS FOR ODD SEMESTERS

Sl. No	Class	Name of the Student	Seminar Topic	Staff In charge
1	B.Sc- I Sem	Miss. Haseena Awati	Range, Standard Deviation	UAH
		Miss. Tasmiya Makandar	Uses of $N_1V_1=N_2V_2$ Formula	UAH
2	B.Sc- III Sem	Miss.Mallika	Langmuir Adsorption Isotherm	ASB
		Miss. Ambika Poojari	Determination of Cu by calorimetric method	ASB
3	B.Sc- III Sem(OEC)	Miss. Shashikala Awati	Water Pollutanrs and their sources	UAH
4	B.Sc- V Sem P-I	Miss. Shashirekha Lingareddi	Valence Bond Theory	CSK
		Miss.Pooja Ballolli	Gibbs Helmholtz Equation	ASB
	B.Sc- V Sem P-II	Miss. Shahin Naikodi	Abrasives	CSK
		Miss.Netravati Rathod	Complexometric titraions	ASB


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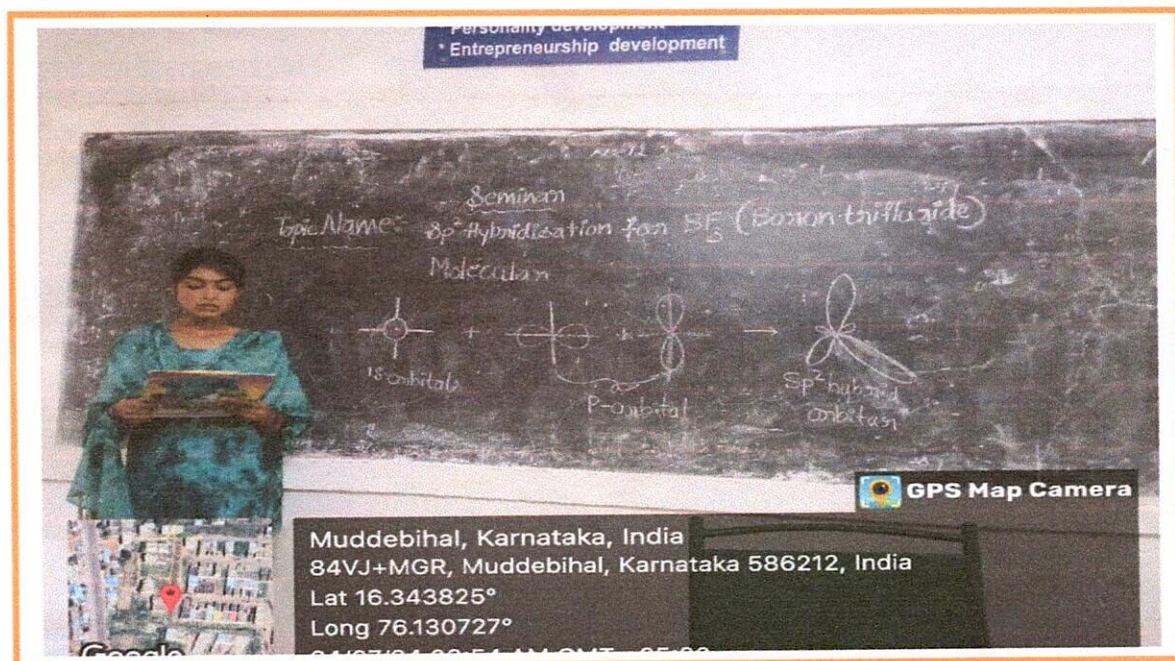
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DEPARTMENT OF CHEMISTRY

**SEMINAR
ON
SP² HYBRIDIZATION FOR BF₃**



NAME : VIJAYALAXMI NANDIHAL

REG NO : U15NU22S0017

CLASS : B.Sc IV SEM

SUBMITTED TO : Prof : U A HALYAL

U A Halyal
**Head, Dept. of Chemistry,
M.G.V.C. Arts, Com. & Science College
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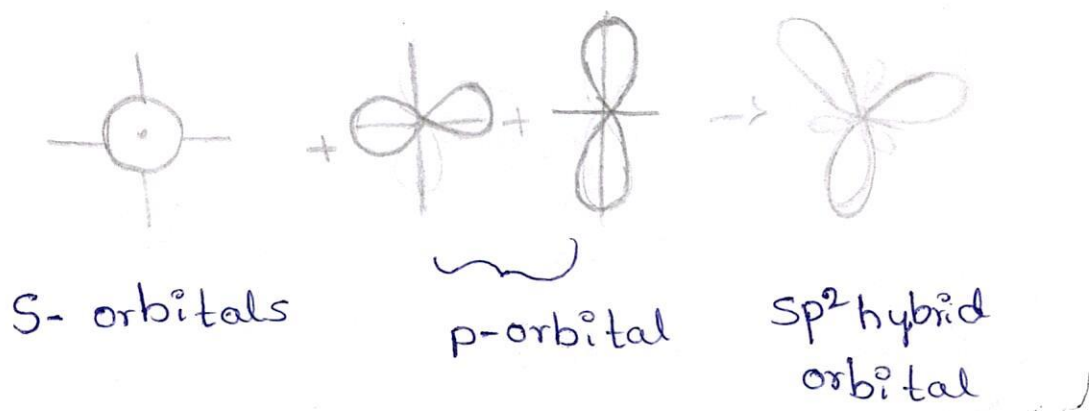
-: Structure & Bonding :-

Sp² Hybridization for BF₃ (boron trifluoride) molecule

It is the process of mixing and recasting of one s and two p orbital of same atom with nearly equal energy to form three sp² hybridised orbital having equivalent energy, maximum symmetry and definite orientation in a space.

Need for hybridisation:-

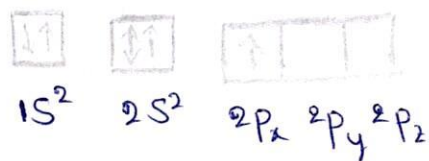
The observed valency of boron in BF₃ is three and it has a bond angle of 120° with a trigonal planar geometry which can be explained on the basis of hybridisation.



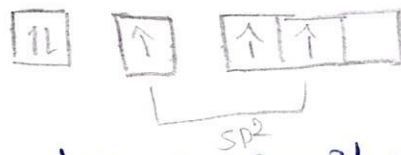
sp² Hybridisation of Boron atom :-

Example:- Formation of BF₃ molecule can be explained using sp² hybridization. In BF₃ molecule, Boron is bonded with three 'F' atoms.

Ground state electronic configuration for Boron is
 $1s^2 2s^2 2p^1$

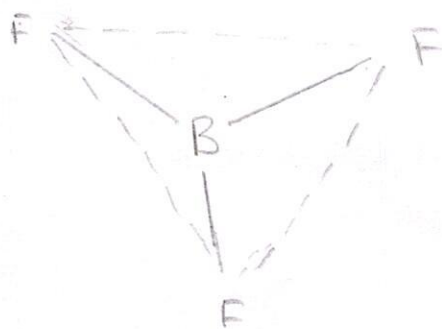
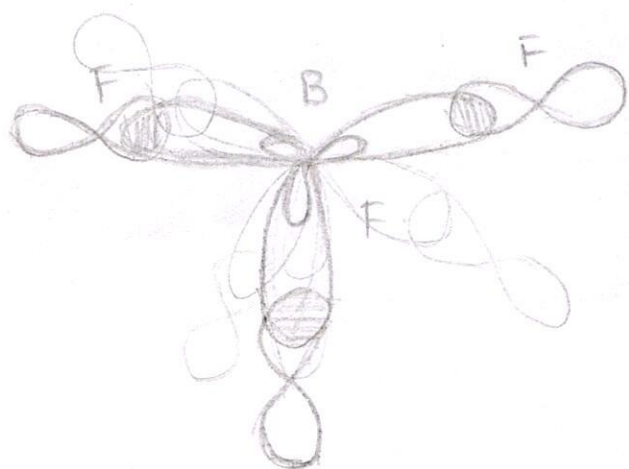


Boron in an excited state has the electronic configuration
 $1s^2 2s^1 2p_x^1 2p_y^1$



When Boron is excited, one of the electrons from two 's' orbitals is promoted to vacant two 'p' orbitals as shown above. In the excited state of Boron, one 's' atomic orbital and two 'p' orbitals have added electrons. These orbitals undergo sp² hybridization.

The three sp² hybrid orbitals of Boron then hybridize with the 'p' orbitals of three 'F' atoms to form the BF₃ molecule.



sp^2 hybrid orbitals of B

BF_3 molecule has sp^2 hybridization it has a triangular shape and each bond angle is 120°

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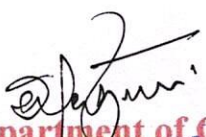
DEPARTMENT OF CHEMISTRY

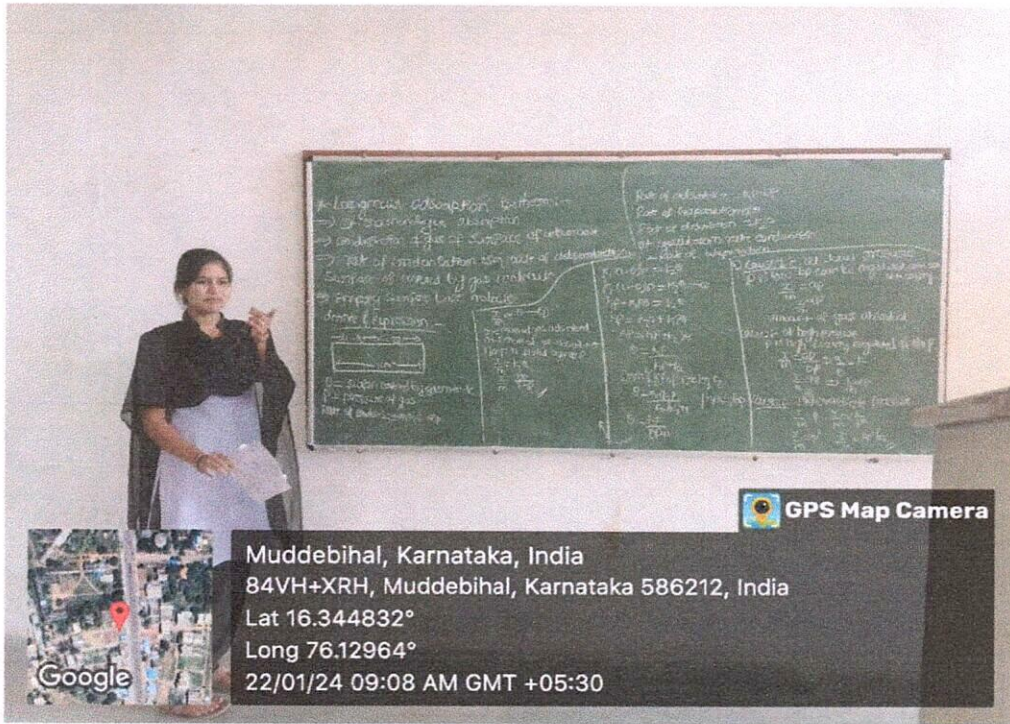
SEMINAR

2023-24

Name of the Student : Mallika
Examination Seat No : U15NU22S0002
Course & Semester : B.Sc III Sem
Subject : Chemistry

Staff Member In-charge


Head, Department of Chemistry
Head, Dept. of Chemistry,
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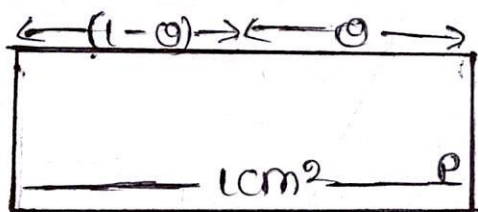


Summary of Langmuir Adsorption Isotherm by Mallika.



Langmuir adsorption isotherm

- * It is monolayer adsorption
- * condensation of gas of surface of adsorbent.
- * evaporation of gas - desorption.
- * rate of condensation is \propto to Rate of adsorption
- Surface area covered by gas molecule.
- * At equilibrium rate of condensation = Rate of evaporation.
- * Empty surface base molecule.



θ = surface covered by gas molecule

P = pressure of gas

Rate of condensation $\propto (1-\theta)P$

Rate of adsorption = $k_1(1-\theta)P$

Rate of evaporation $\propto \theta$

Rate of desorption = $k_2\theta$

At equilibrium Rate of condensation = Rate of evaporation

$$k_1(1-\theta)P = k_2\theta$$

$$k_1(1-\theta)P = k_2\theta \quad \text{--- (1)}$$

$$k_1P - k_1P\theta = k_2\theta$$

$$k_1P = k_2\theta + k_1P\theta$$

$$k_1P = (k_1P + k_2)\theta$$

$$\theta = \frac{k_1P}{k_1P + k_2} \quad \text{--- (2)}$$

Div N^0 & D^0 of RHS of eqn by K_2

$$0 = \frac{K_1 K_2 p}{K_1 K_2 p + 1} \quad 0 = \frac{bp}{1+bp} \quad \text{--- (3)}$$

$$\frac{x}{m} \propto 0 \quad \text{--- (4)}$$

$$\begin{aligned} \frac{x}{m} &= K_3 \theta \\ &= \frac{K_3 bp}{1+bp} \end{aligned}$$

$$\frac{x}{m} = \frac{bp}{1+bp} \quad \text{--- (5) //}$$

Case 1 - At low pressure -

when p is low, bp can be neglected compared to unity.

$$\frac{x}{m} = ap$$

$$\frac{x}{m} \propto p$$

amount of gas absorbed at low p .

Case 2 - At high pressure -

p is high & unity can be neglected compared to bp .

$$\frac{x}{m} = \frac{ap}{bp} = \frac{a}{b} = k$$

$$\frac{x}{m} = kp^0$$

$$\frac{x}{m} \propto p^0$$

Case 3 - Intermediate pressure -

$$\frac{x}{m} = p \quad \frac{x}{m} \propto \frac{1}{p^n}$$

$$\frac{x}{m} = p^0 \quad \boxed{\frac{x}{m} = kp^{1/n}}$$



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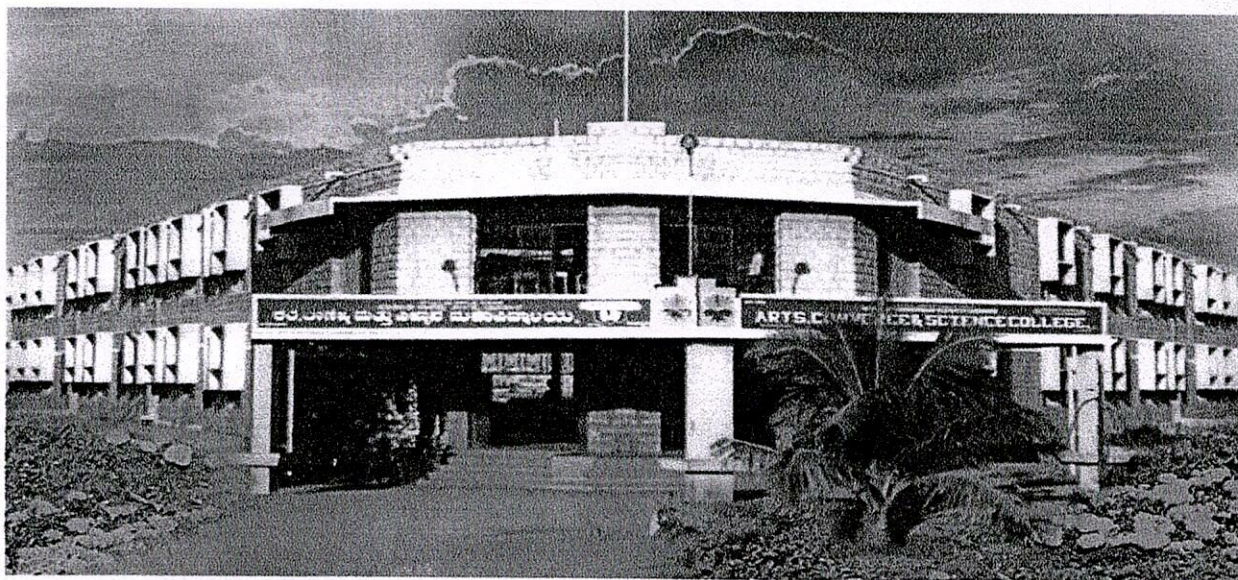
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DEPARTMENT OF ENGLISH



Seminars

2023 - 2024

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(Accredited with CGPA of 3.31 on seven point scale at "A+" Grade)

CONDUCTED SEMINAR LIST AND NAME

2023-24

S.NO	NAME OF THE STUDENTS	Topic
1	Bandavya Hipparagi	Post Independence Poetry
2	Abhishek Chavan	Post Independence Poetry
3	Vinuta Herimath	Post Independence Poetry
4	Sangayya Herimath	Post Independence Novel
5	Mobina Nadaf	Post Independence Novel
6	Vijalaxmi Hosamani	Post Independence Novel
7	Pooja Herimath	Post Independence Novel
8	Ashwini	Post Independence Novel
9	Ashwini Hadapad	Post Independence Drama
10	Chandrashrkar Goragundagi	Post Independence Drama
11	Priyadarshini Basarkod	Post Independence Drama
12	Bandhavya Nayak	Post Independence Drama
13	Sameer Jatagar	Post Independence Drama
14	Radhika Salotagi	Post Independence Drama
15	Bhagyashree Ilager	Post Independence Drama
16	Satyamma Biradar	Post Independence Drama
17	Laxmi Biradar	Post Independence Drama
18	Sangeeta mankani	Post Independence Prose
19	Bhagyashri Biradar	Post Independence Prose
20	Vidyashri Jangani	Post Independence Prose
21	Daneshwari valikar	Post Independence Prose
22	Muskan Gurikar	Post Independence Prose
23	Bhagyashri Kurabar	Post Independence Prose
24	Bhagyashri Hadapad	Language and Linguistics
25	Bhagyashri Vanikyal	Language and Linguistics
26	Savita Shettar	Language and Linguistics
27	Kavya Ratod	Language and Linguistics
28	Drakshayani Madar	Language and Linguistics
29	Pallavi Dodamani	Language and Linguistics

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2023-24

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01	Akshata.Ingalageri	Romantic Poetry
02	Renuka.S	Victorian Poetry
03	Nagamma Biradar	Pre Raphaelite Poetry
04	Parashuram.Yalawar	Oxford Movement Poetry
05	Sharanamma.Biradar	Victorian Novel
06	Tanuja	19 th Century Prose Writers
07	Devamma	Modern Poetry
08	Hanamanth.Hirekurabar	Modern Novel
09	Roja Nayak	Modern Novelists
10	Bhagyashri.Bellad	Modern Drama
11	Babu.Pawar	Gender Studies
12	Shivagangamma.K	Victorian Poetry
13	Pavitra	20 th Century Prose
14	Mallikarjun.Biradar	Gender Studies
15	Sneha.Lingashetti	Major Authors and their Works

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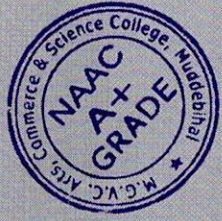
Sl.No	Name of the Student	Topic
01	Sushmita Lingamurti	Mathew Arnold
02	Rajashree Pattar	Introduction to Post colonial Studies
03	Laxmi Malagond	Tradition and Individual Talent
04	S.K.Raju	What is Criticism?
05	Laxmi Ramatal	Palanquin Bearers by Sarojini Naidu
06	Kiran Nagur	English Language
07	Puspa Dodamani	Latin influence on English Language
08	Shivanand Rodagi	A Cup Of Tea by Katherine Mansfield

Co-ordinator,

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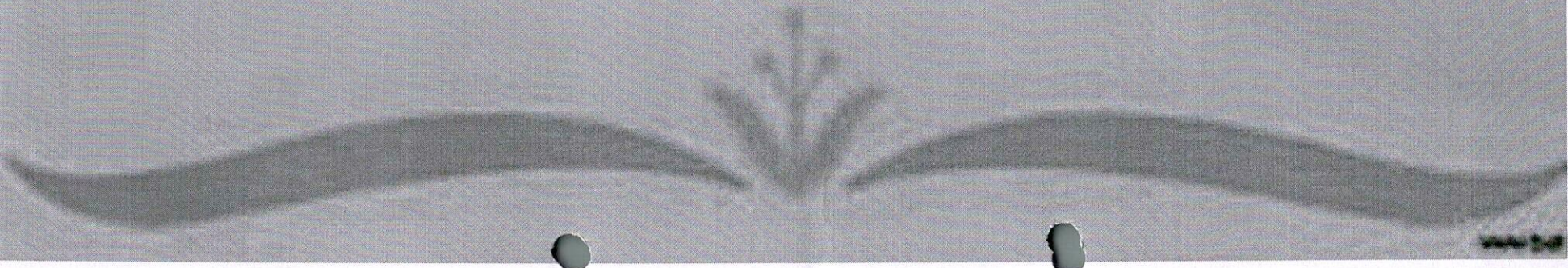
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MGVC ARTS COMMERCE AND SCIENCE COLLEGE



MUDDEBIHAL



SEMINAR ON

**20TH CENTURY DRAMA /
MODERN DRAMA**

PRESENTED BY

NAME : BHAGYASHREE S BELLAD

CLASS : BA IV SEMESTER

ROLL NO : U15NU22A0089

SUBJECT : OPTIONAL ENGLISH

SUBMITTED TO

Dr . M. I. BIRADAR

20th Century Drama/Modern Drama

Introduction

Modern English drama refers to plays written in the 19th and 20th century. It deals with real situation, real character, real incidents. The use of everyday language. It is also deals with common man an ordinary man who suffers the difficulties of life. This type of drama is called anti-hero drama. Modern drama was started with emergence of “Henrik Ibsen’s” works. He was an ‘*God Father*’ of modern drama.

The dramatist of the earlier year of 20th century were in interested in naturalism. The common theme of 20th century drama were reflecting the restlessness or, rebellion of the works against the state philosophical human life.

20th century drama divided in four categories

1. Modern drama
2. Poetic drama
3. Irish drama
4. Obsurd theatre

Difference between 'traditional drama' and 'modern drama'.

Traditional Drama

Traditional drama deals with supernatural elements ,facts ,heroic deed etc .

Modern drama

Modern drama deals with realism, absurdum etc .

Characteristics of Modern Drama

Realism : In modern English drama, realism is the most important and prominent feature. Naturalism piqued the attention of early twentieth-century dramatists, who sought to address real-life issues in realistic ways in their works. The Norwegian writer Henrik Ibsen is credited with popularizing realism in modern theatre.

Naturalism : This theory suggests that everything works on the laws of cause and effects. Man has become rational. Naturalist plays are therefore considered as “slice of life” plays because they rarely change their settings.

Romanticism : Focused on emotions, equality, freedom and nature which were the main characteristics of Elizabethan age. It was mainly Sir J M Barrie's efforts that the new wave of Romanticism swept over Modern Drama for some years of the 20th century.

Characteristics of Modern Drama

Poetic Plays : In the beginning of 20th century a new trend of the revivals of poetic plays of Shakespeare and Marlow was visible.

Absurdism : The believe that human being live in essential isolation in a meaningless and irrational world. The use of absurdity in literature is a vehicle for writers to explore those elements in world that do not make sense.

Major Dramatists of the 20th Century

- 1) Henrick Ibsen (1828-1909)
- 2) George Barnard Shaw (1856-1950)
- 3) John Galsworthy (1867-1933)
- 4) Sir James Matthew Burrie (1867-1937)
- 5) J .M. Synge (1871-1909)
- 6) Somerset Maugham (1874-1965)
- 7) John Osborne (1929-1994)
- 8) Sir William Gilbert (1836-1911)

Henrick Ibsen (1874-1909)

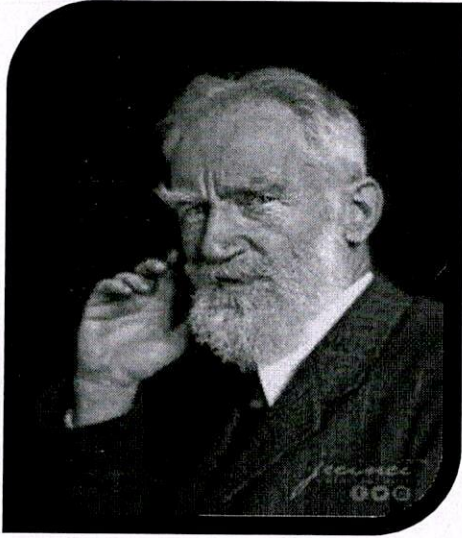


- ❖ He was a great Norwegian dramatist and '*Father of the realistic drama*'.
- ❖ He was responsible of the revival of the drama in English literature.
- ❖ He has influenced English dramatist such as George Barnard Shaw and Oscar Wilde.
- ❖ Ibsen was thought the real drama must deals with emotions.
- ❖ The modern was started with the "*Henric Ibsen*".

His Major Plays

- 1 *Pillars Of Society* (1877)-first realistic contemporary drama.
- 2 *A Doll's House* (1879)- it is a three act play.
- 3 *An Enemy The People* (1882)- five act play
- 4 *Catalina* (1850)- it is first play published under the pseudonym 'Brynjoolf Bjarme'.

George Barnard Shaw (1856-1950)

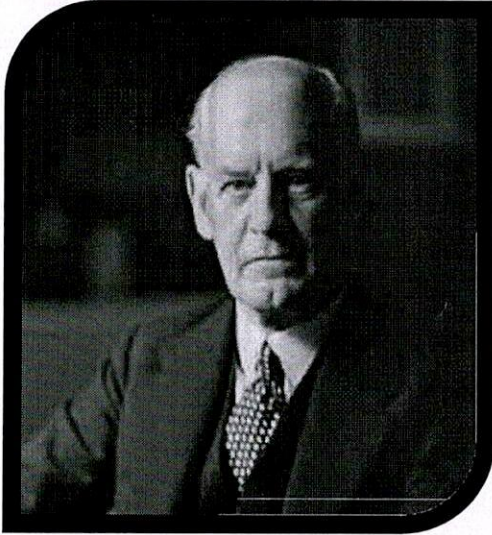


- ❖ He was an Irish playwright, was also an important contribution to European drama.
- ❖ He was the greatest modern dramatist and considered to the “*Father of comedy of Ideas*”.
- ❖ he won the “*Nobel Prize*” for his literature in 1925.
- ❖ All the plays of G B Shaw deals with some problems concerning modern society.

His Major Plays

- 1 *Arms and the Man* (1894)-it is a comic play and social satire.
- 2 *Man and Superman* (1902)-it is a movie version of the play.
- 3 *Press Cutting* (1909)- it is a farcical comedy about the suffragettes.
- 4 *Pygmalion* (1912)- it is story about the lower class girl Eliza.
- 5 *Candida* (1898)- it is a comedy and anti romantic play.

John Galsworthy (1867-1933)

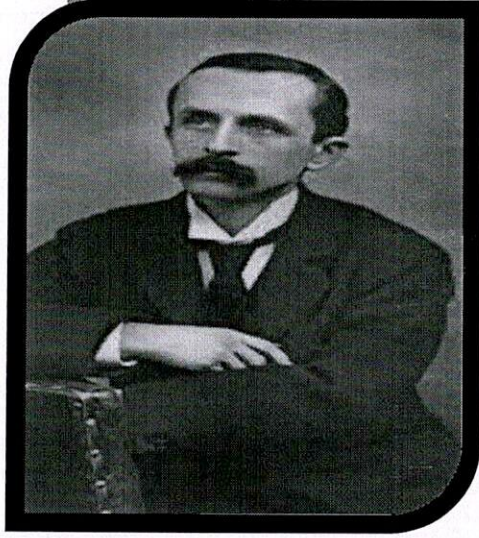


- ❖ He was best known for his play "*The Silver Box*".
- ❖ He won the 'Nobel Prize' for his literature.
- ❖ He was master of dramatic technology.
- ❖ His writing style was remarkable for his simplicity, ease, vividness, economy and precision.
- ❖ He was friend of Conrad.

His Major plays

- 1 *The Silver Box* (1906)-it is first play of him.
- 2 *Strife* (1909)- this play was the struggle between capital and labor.
- 3 *Justice* (1910)
- 4 *The Skin Game* (1920)- it was deals with different values of old aristocracy.
- 5 *Loyalties* (1922)- it was deals with anti Jewish feeling

John Galsworthy (1867-1932)



- ❖ He was Scottish novelist and playwright.
- ❖ His plays have well constructed plots, slight, but charming characters and crisp dialogue.
- ❖ His plays combine fantasy and realism.
- ❖ His important of his work is that he had the courage to break away from realism.
- ❖ He wrote several successful novels and plays.

His Major Plays

- 1 *The Little Minister* (1897)- it is popular sentimental romance play.
- 2 *The Professor's Love* (1894)- it is sentimental romance play.
- 3 *Quality Street* (1902) -the story about two sisters who start a school.
- 4 *Mery Rose* (1920)-it was best known for peter pan.
- 5 *Kiss For Cinderella* (1916) -story is retelling of the classic fairy tale of Cinderella.

J. M. Synge (1871-1909)



- ❖ He was the greatest dramatist in the rebirth of 'Irish Theatre'.
- ❖ He wrote both comedies and highly moving comedies.
- ❖ He was reacted sharply against the popular realistic drama.
- ❖ In his early life he was interested in music so he went to *Germany* to study music.
- ❖ His best known play was "*The Playboy of the Western World.*"

His Major Plays

- 1 *The Shaddow Of Gilen* (1903)-it is one-act-play.
- 2 *The Well Of Saints* (1905)- it was a three act play.
- 3 *The Aron Islands* (1907)- it was four part collection of Synge.
- 4 *Riders To The Sea* (1904)- a one act tragedy.

Somerset Maugham (1874-1965)



- ❖ Somerset was an English writer known for his plays, novels and short stories.
- ❖ He was an *medical* student.
- ❖ His writing style was marked by clarity and precision.
- ❖ He continued to write realistic drama.
- ❖ He worked in *Switzerland* and *Russia* before the '*Bolshevik Revolution*'.

His Major Plays

- 1) *The Circle* (1921)- it was a comedy in three act play.
- 2) *The Sacred Flame* (1928)- this a story about the misfortune of Maurice Tabret.
- 3) *A Man Of Honour* (1912)- his only tragedy.
- 4) *Our Betters* (1927)-it is American precode satirical comedy film.

John Osborne (1929-1944)

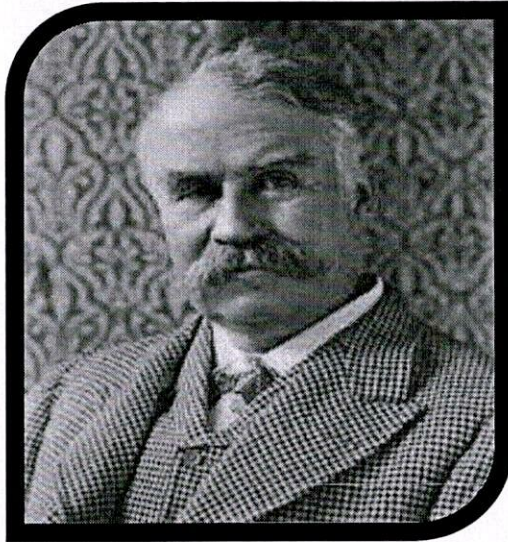


- He was an English playwright, screen writer, actor and entrepreneur.
- He was one of the most influential figures in past theatre.
- He was one of the journalists.
- He married five times.
- He wrote two volumes of autobiography “*A Better Class of Person*”.

His Major Plays

- 1) *Look Back In Anger* (1956)
- 2) *The Bond Honoured* (1966)- one act adaptation of Lope de Vega's *la Fianza*.
- 3) *The Entertainer* (1957)- it is a three act play.
- 4) *Luther* (1961)- it is depicting the life of Martin Luther.

Sir W. S. Gilbert (1836-1911)



- ❖ William Gilbert was an English dramatist, librettist, poet and illustrator.
- ❖ His creative output included over 75 plays and libretti.
- ❖ He also developed a realistic method of stage direction.
- ❖ His plays inspired other dramatists, including Oscar Wilde and G B Shaw.
- ❖ The final Gilbert and Sullivan comic opera was "*The Grand Duk*".

His Major Dramas

- 1 *The place of truth* (1870)- it is three act blank verse 'Fairy comedy'.
- 2 *The happy land* (1873)- this play with music.
- 3 *Broken heart* (1875)- it is an entirely original Fairy Play.
- 4 *Engaged* (1887)- this is a three act farcical comic play.

Conclusion

Modern drama is characterized by realism, romanticism, expressionism and impressionism, they deals real social and familial issues. Modern playwrights, indeed, introduced many modern ideas and aspects of life into the English literature. So many modern play wrights have contributed much thoughts and feeling in the modern plays in an influenced and effective ways.



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Department of Economics

Class Room Seminar VI Semester Students
Sub: International, Indian and
Environmental Economics
Date: 03-08-2024



**Conducted Students
Seminar**



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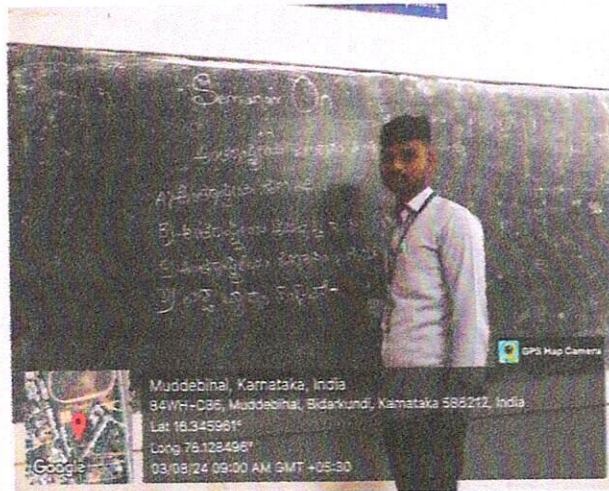


Subject: International, Indian and Environmental Economics

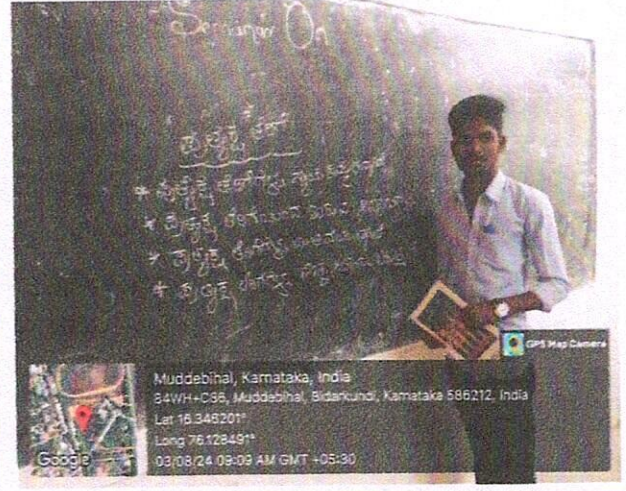
BA VI Semester

Date: 03-08-2024

Mr. Maruti 6th Semester Student



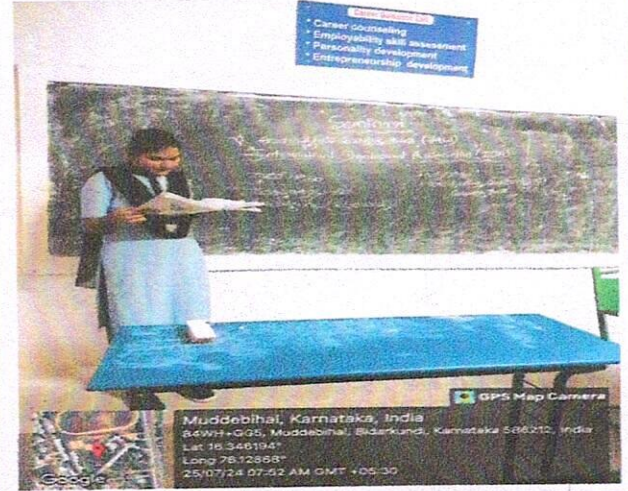
Mr. Nagaraj Hiregoudar



Miss. Pooja Rathod



Miss. Bhagyashree Pujari



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DEPARTMENT OF BOTANY
SEMINAR FOR B.Sc. IVTH SEMESTER STUDENTS
YEAR 2023-24

Sl. No	Reg. No	Name of the students	Topic
01	U15NU22S0004	Shivaleela Kankal	Values of biodiversity
02	U15NU22S0005	Ganesh Muradi	Indian hospots
03	U15NU22S0016	Soumya Hangaragi	Concepts of endemism
04	U15NU22S0027	Nasarin G. Diddimani	Karnatak western ghats
05	U15NU22S0028	Prajwal Pattepurmath	Indian forests
06	U15NU22S0029	Chaitra Nadagouda	In situ conservation
07	U15NU22S0030	Bibiuzma A. Mudnal	Ex situ conservation
08	U15NU22S0031	Akshata Bhovi	Medicinal and timber yielding plants
09	U15NU22S0035	Vidyashree Ambiger	Carbon cycle
10	U15NU22S0039	Shaheensaba K Mulla	Nitrogen cycle
11	U15NU22S0040	Deepa Vaddodagi	Phosphorous cycle
12	U15NU22S0043	Sneha Aski	Plant succession
13	U15NU22S0044	Shashikala S. Awati	Hydrosere and xerosere
14	U15NU22S0049	Zaveriya A Momin	Community ecology


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DEPARTMENT OF BOTANY

SEMINAR
ON
CARBON CYCLE



NAME : VIDYASHREE AMBIGER

REG NO : U15NU22S0035

CLASS : B.Sc IV SEM

Carbon Cycle

The elementary Carbon cycles between biotic & abiotic components of an ecosystem forming a cycle which is termed as Carbon Cycle.

⇒ Carbon Cycle is very important cycle as the Carbon is the backbone of biological chemistry

⇒ Carbon is available as carbon dioxide gas

⇒ The atmosphere is the minor source 0.03% of carbon dioxide

Addition of Carbon dioxide in the air

i) During weathering, Carbon dioxide is formed from lime stones & feldspar.

ii) Carbon dioxide is formed during volcanic eruption.

iii) Carbon dioxide is released during respiration of plants & animals.

iv) Carbon dioxide is released from waters of hot spring.

a) Gain of Carbon dioxide

Released from the soil by Cultivation: 2 billion tons

Released from hot spring & volcanoes: 0.1 billion tons

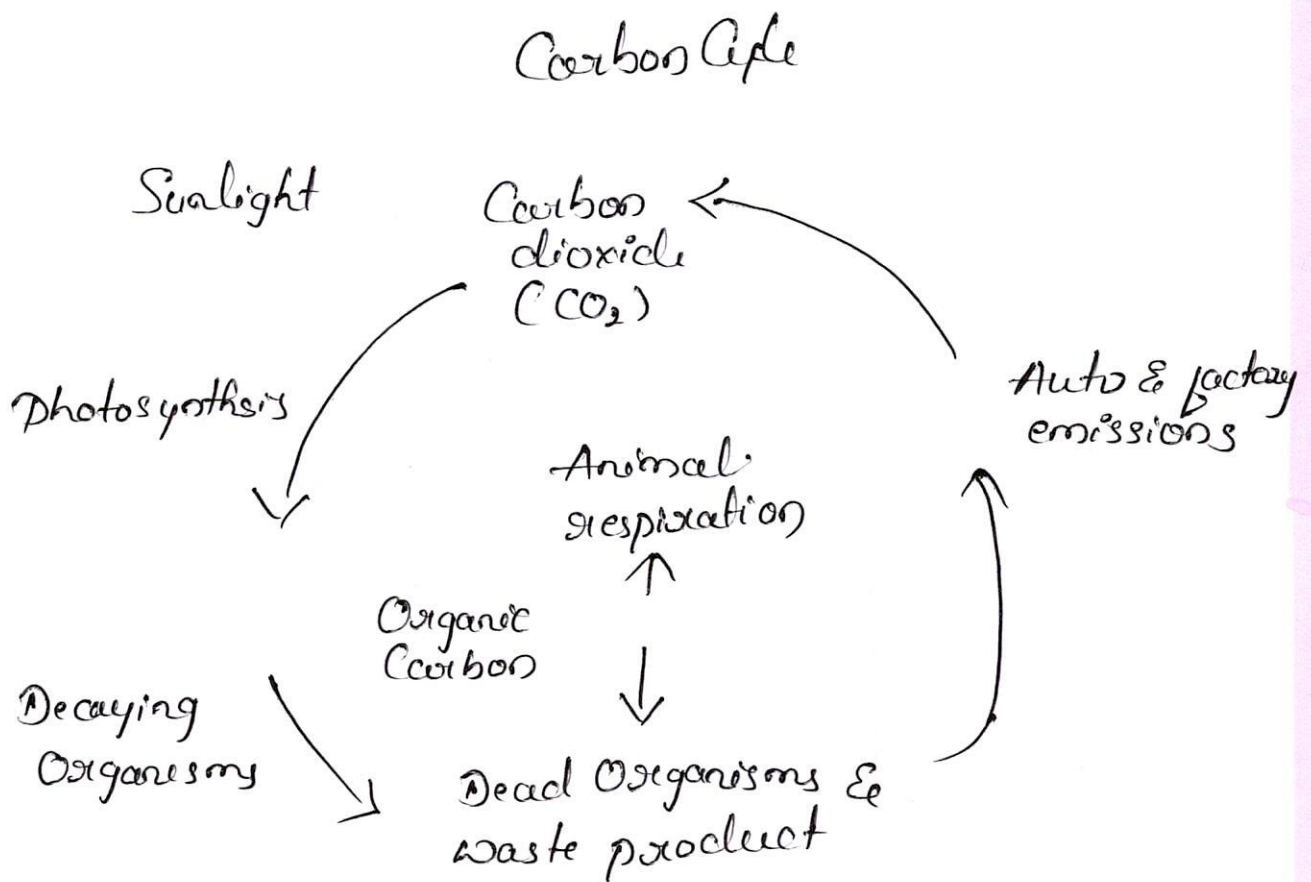
Released from the Ocean: 100 billion tons.

(b) loss of Carbon dioxide

weathering of rocks : 0.1 billion tons

photosynthesis by plants : 60 billion tons

Absorption by Ocean : 100 billion tons.



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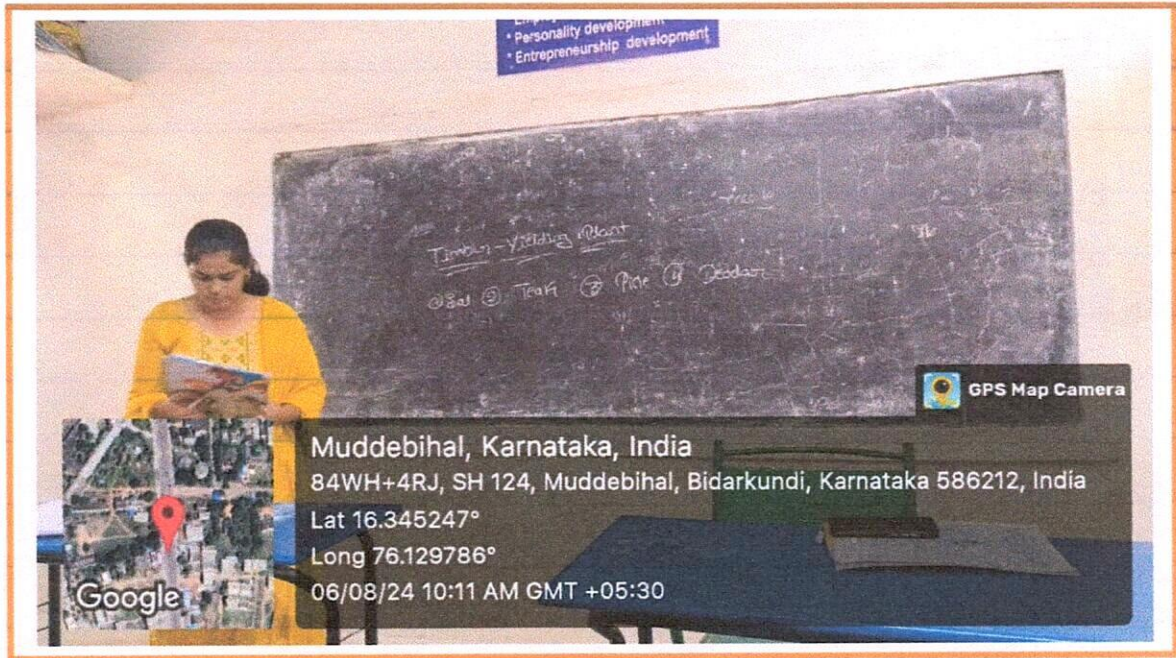
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DEPARTMENT OF BOTANY

**SEMINAR
ON
MEDICINAL AND TIMBER YIELDING
PLANTS**



NAME : AKSHATA BHOVI
REG NO : U15NU22S0031
CLASS : B.Sc IV SEM

Medicinal Plants

Medicinal plants can be defined as the plants that possess therapeutic properties or exert beneficial effects on the human or animal body.

Medicinal plants have been used against various diseases for thousands of years & 80% of the world wide population still depends on herbal medicines.

Medicinal plants have been used in herbal remedies and healthcare across world due to its secondary metabolites contents.

Ethnomedicine is a field of study that raises local knowledge of the community to maintain their health.

~~the~~ plant part used Root.

Sarpagandha

Family - Apocynaceae

Plant use - leaves & roots are used.

Roots are important if collected in winters used for hypertension, snake poisoning

Ashwagandha.

Family :- Solanaceae. (ശ്യാമപ്പന)

Part use :- Roots are used.

improves brain health, lowers cholesterol

Plant part used Rhizome.

Kulanjan

Family :- Zingiberaceae. (കുന്ദ

Part use :- Dried Rhizome is used.

Antimicrobial, reduces chest congestion,
anti-inflammatory

Plant part used Stem.

Giloe (Gurch)

Family :- Menispermaceae. (കുന്ദ

Part use :- stem is used juice for fresh

Plant

TIMBER - YIELDING PLANTS

⇒ wood is secondary xylem formed after secondary growth in the stem.

4 types of timber yielding plants

- ① Sal
- ② Teak (segun, sogaun)
- ③ Pine (chini)
- ④ Deodar (dian, divadaru.)

Sal

- * Family - Dipterocarpaceae.
- * Botanical name - *Shorea robusta*
- * called as house of tribal goddess

Distribution

- * It is indigenous to India.
- * It grows in the foothills of tropical Himalayas eastern hill districts of central India & on the hills of West Bengal

Botanical Description

- * Large ~~or~~ Medium sized, resiniferous tree.
- * Height - upto 40 meter.
- * Leaves - ovate oblong 10-25 cm long & 5-15 cm broad.
- * Inflorescence - panicle.
- * Flowers - small whitish in colour & are hermaphrodite.

- * calyx - 5 in number * petals - 5 in number * stamens - many
- fruit : ovoid, indehiscent one-seeded nut. with wing like persistent sepals
- * Seeds ripen in month of June.
- * Temperature range : $44-47^{\circ}\text{C}$.
- * Soil - well-drained
- * Annual rainfall - 450 cm (average)

uses of sal tree:

- * The sal tree is one of the most valuable & widely used in India.
- * The timber is used in making "bridges, boats, carriage wagons, wheels, railways sleepers, doors."
- * In Assam it is used in boat making
- * An essential oil namely "chua oil" is obtained from the sal tree & is used as a fixative for flavoring chewing & smoking tobacco

Teak

family : Lamiales.

Botanical name : *Tectona grandis*

Distribution

- * it is indigenous to India, Myanmar, Sri Lanka & Malaysia.
- * it is grown world-wide in countries like India, Burma, Java, Sumatra, & parts of Indonesia archipelago. (a group of islands)

* In India it is cultivated in Bengal, Assam & northern India as far as Dehradun, western & central India which extends upto 940m high.

Botanical Description.

* Large or tall deciduous tree attaining a height upto 40m.

* The bark is whitish grey in colour.

* Leaves - simple opposite, elliptical to obovate in shape.

* which are 25-50 cm long & 20-40 cm in width.

* Inflorescence - panicles

* flowers - small, white in colour, bracteate, hermaphrodite

* Calyx - Pentamerous 5-6 gamosepalous & persistent.

* corolla - 5-6 lobed tubular in shape.

* Stamens :- 5-6 in number.

* ovary - superior.

Uses

* The timber of tree is resistant to fungus, termites & ants resistant as it contains a large quantity of resins which fills up every pore of wood & also help to resist action of water.

The timber is used in the manufacture of furniture table, railway sleepers, carriages & implements like plough etc

Pine (Chir)

Family : Pinaceae.

Distribution

- * It is native to temperate Himalayas and is distributed in tropical, sub-tropical & temperate regions of the world.
- * In India it is found in western & eastern Himalaya at an altitude of 1800-3750 m which extends westward to Afghanistan & Eastward to Bhutan.
- * In India it is grown in states like, Sikkim, Himachal Pradesh, Jammu & Kashmir.

Botanical Description

- * Tall, evergreen, coniferous tree.
 - * Height about 40m.
 - * Elongated more or less pyramidal crown shaped and later becomes umbrella shaped.
 - * Leaves - long bluegreen in colour, needle shaped which are arranged in pairs of triquetrous.
- Reproductive
- * male cones - lower side.
 - * Female cones - highest branches.
 - * Seeds - about 0.8cm long with a thin membranous wing larger than seed.

• Deoda (Deodar)

Family : Pinaceae

Distribution

- * It is indigenous to the mountains of Afghanistan, north Balochistan, north-west Himalayas
- * In India it is mainly grown in north-west Himalayas of Kashmir, Himachal Pradesh, Uttarakhand & Punjab.

Botanical Description

- * Tall evergreen tree with Drooping branches
- * Height - upto 80m & 12 in width.
- * leaves - dark in colour, needle shaped, 2.5-3.5 cm long which are borne in dense fascicles on dwarf shoots
- * Each leaf bears two resin canals.
- * mostly dioecious some species are monoecious

Uses

- * It is one of the strongest coniferous wood.
- * cedar wood oil is obtained by the stem, distillation of wood chips
- * The cedar wood oil is reddish-brown in colour
- * The oil is used in the treatment of ulcers & skin diseases.

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YEAR 2023-24

Sl. No	Reg. No	Name of the students	Topic
01	U15NU22S0004	Shivaleela Kankal	M.S. Swaminathan
02	U15NU22S0005	Ganesh Muradi	Anatomy of Dicot root and Monocot root
03	U15NU22S0016	Soumya Hangaragi	Development of dicot embryo
04	U15NU22S0027	Nasarin G. Diddimani	Plant senescence
05	U15NU22S0028	Prajwal Pattepurmath	Anatomy of Dicot leaf and monocot leaf
06	U15NU22S0029	Chaitra Nadagouda	K.C. Mehta
07	U15NU22S0030	Bibiuzma A. Mudnal	B.G.L. Swamy
08	U15NU22S0031	Akshata Bhovi	Development of female gametophyte
09	U15NU22S0035	Vidyashree Ambiger	Root apical meristem
10	U15NU22S0039	Shaheensaba K Mulla	Development of Monocot embryo
11	U15NU22S0040	Deepa Vaddodagi	Types of female gametophyte
12	U15NU22S0043	Sneha Aski	Pollen embryosac
13	U15NU22S0044	Shashikala S. Awati	Prof. Panchanan Maheshwari
14	U15NU22S0049	Zaveriya A Momin	Dictyostelium


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