

Zoom



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currents. The op-amp. is connected as a transresistance converter, the output of which can be read directly by a digital voltmeter. Fig. 15.6 shows the circuit. The standing potential of the cell B (1.3 V) and variable resistance  $VR_1$ . The standing potential is cancelled by means of  $VR_2$ , Battery B and  $1\text{ G}\Omega$  resistance to limit the bandwidth of the amplifier to reduce noise and to

► Fig. 15.6 Current amplifier for use with  $pO_2$  electrode

Participants (3): Mukesh Bhole (Host, me), Aboli, Sana

12:49 PM 11/23/2020

Photo from Prof. Abhijit... - abh... x My Drive - Google Drive x | Renderforest x +

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Windows Taskbar: Chrome, Mail, File Explorer, Edge, Paint, Word, Excel, OneDrive, Zoom, ENG, 10:32, 05-02-2021

Chalkboard content:

Marks -

Continuous scales -

Modal class = 50-55

$$M_o = l + \frac{f_1 - f_0}{2f_1 - f_0 - f_2} \times i$$

$$= 50 + \frac{15 - 12}{2 \times 15 - 12 - 10} \times 10$$

$$= 50 + \frac{3}{2} \times 10$$

50 ← Lower limit of modal class = 155

15 ← Frequency of modal class

12 ← freq of the preceding of modal class

10 ← freq of succeeding of modal class

10 ← length of class

08:39

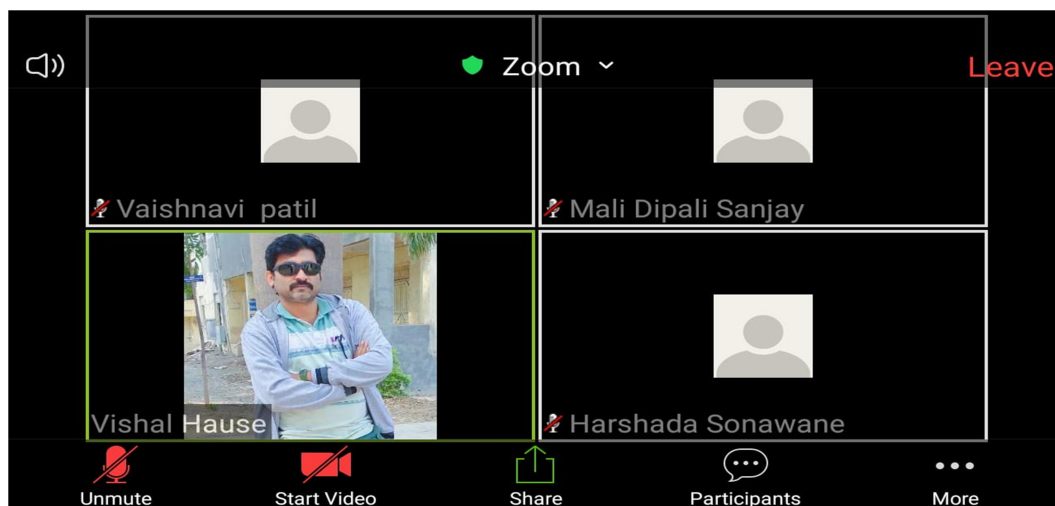
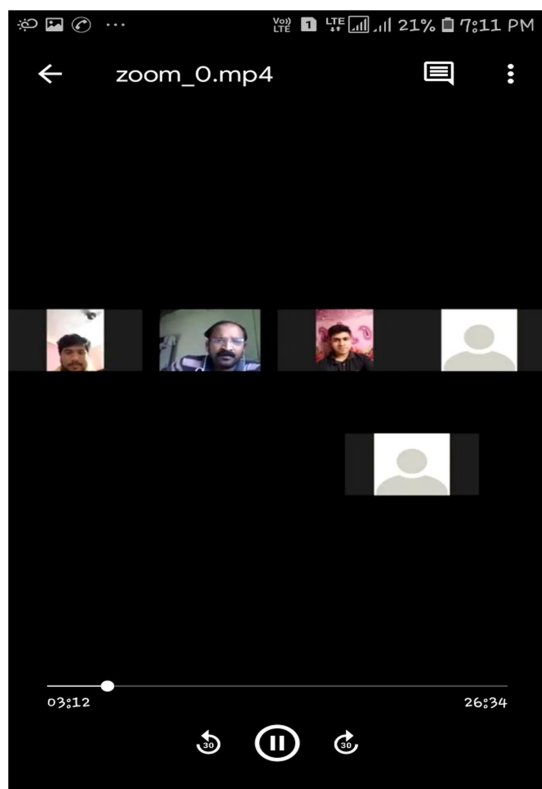
Madhuchandra Bhusare

Dattatray Kardapwar

Nitin patil

Chetan Bhi

Rakesh Dalvi



## Elimination Reactions

A reaction involving the loss of two atoms or groups from a molecule, without their being substituted by other atoms or groups, is known as elimination reaction.

$$\begin{array}{c} \text{H} & & \text{H} \\ & \backslash & / \\ & \text{C} & - & \text{C} & - & \text{H} \\ & / & \backslash \\ \text{H} & & \text{Cl} \end{array} + \text{KOH (alc)} \longrightarrow \text{H}_2\text{C}=\text{CH}_2 + \text{KCl} + \text{H}_2\text{O}$$

ethyl chloride Ethene

- It is the reverse process of addition reaction
- Through elimination reactions it can be generated or cyclic compounds can be formed

Zoom Meeting (40-Minutes)

You are viewing Dr. Prakash Labhane's screen

View Options

Sujal Labhane Dr. Prakash Labhane Connecting... Revati patil Rupali Patil Chetna B Patil

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12:41 08-06-2020

Radical Allylic Halogenation - C... Sandmeyer Reaction Mechanism... arylation of aromatic compounds... Autoxidation - Wikipedia

en.wikipedia.org/wiki/Autoxidation

All of these processes lead to the generation of carbon centered radicals. Once the carbon-centered radical has formed, it reacts rapidly with O<sub>2</sub> to give a peroxy radical (ROO•). This in turn abstracts an H atom from a weak C-H bond to give a hydroperoxide and a carbon-centered radical. The hydroperoxides can then undergo a number of possible homolytic reactions to generate more radicals,<sup>[17]</sup> giving an accelerating reaction. As the concentration of radicals increases chain termination reactions become more important, these reduce the number of radicals by radical disproportionation or combination, leading to a sigmoid reaction plot.

**Chain initiation**  
 $Polymer \rightarrow P\cdot + P\cdot$

**Chain propagation**  
 $P\cdot + O_2 \rightarrow POO\cdot$   
 $POO\cdot + PH \rightarrow POOH + P\cdot$

**Chain branching**  
 $POOH \rightarrow PO\cdot + OH\cdot$   
 $PH + OH\cdot \rightarrow P\cdot + H_2O$   
 $PO\cdot \rightarrow$  Chain scission reactions

**Termination**  
 $POO\cdot + POO\cdot \rightarrow$  cross linking reaction to non-radical product  
 $POO\cdot + P\cdot \rightarrow$  cross linking reaction to non-radical product  
 $P\cdot + P\cdot \rightarrow$  cross linking reaction to non-radical product

**In oils and polymers** [edit]

The autoxidation of unsaturated fatty acids causes them to crosslink to form polymers.<sup>[15]</sup> This phenomenon has been known since antiquity and forms the basis of drying oils, which were traditionally used to make many varnishes and paints. Linseed oil, which is rich in polyunsaturated fats, is a prime example.

Conversely, autoxidation can also cause polymers such as plastics to deteriorate.<sup>[16]</sup> Sensitivity varies depending in the polymer backbone, in general structures containing unsaturated groups, allylic and benzylic C-H bonds and tertiary carbon centres are more susceptible. Autoxidation can be inhibited by a wide range of polymer stabilizers, or accelerated by biodegradable additives. Similarly, antioxidant oil additives and fuel additives are used to inhibit autoxidation.

**In food** [edit]

The prevention of autoxidation is important in the food and drink industry and is achieved both by both chemical preservatives and a range of oxygen excluding food preservation techniques such as canning. It is well known that fats, especially polyunsaturated fats, become rancid, even when kept at low temperatures,<sup>[17]</sup> however many other foods are susceptible to autoxidation. The complex mixture of compounds found in wine, including polyphenols, polysaccharides, and proteins, can undergo autoxidation during the aging process, leading to wine faults. The browning of many foods, such as skinned apples, can be

The cyclic mechanism of autoxidation

Adobe Scan 28 Nov 2020 (2).pdf - Adobe Reader

Stabilisation of phenol by resonance

The atoms or groups transmitting or donating electrons by resonance are said to have electron donating resonance effect (+R effect) or +ve mesomeric effect (+M effect).

eg.  $-O^-$ ,  $-C(=O)O^-$ , F, Cl, Br, I,  $-NR_2$ ,  $-OH$ ,  $-SH$ , SR etc.

The atoms or groups withdrawing electrons by resonance are said to have electron withdrawing resonance effect (-R, effect) or -ve mesomeric effect (-M effect)

eg.  $-NO_2$ ,  $-SO_2R$ ,  $>C=O$ ,  $-C\equiv N$  etc.

Similar to inductive effect resonance effects are permanent polarisations in the ground state of a molecule and hence incorporated in the physical properties of compounds in which they occur.

Zoom Meeting

Remaining Meeting Time: 01:29

Participants (44)

Anjali Wagh	Dr. P. M. Raotole	Jayesh patil	Vishal Bhoi	Ruchika Salunkhe
Ruchika patil	Jagadish patil	Patil punam sa...	Aakash Jadhav	KIDuu songire
Shubham Garole	Sham Mahajan	Bhushan Patil.	MAYUR MAHAJAN	Yogita Mahajan
Gautami Chavhan	Vaishnavi Patil	Pranali Sonawane	Harshada desh...	Sonawane saura...
Latika Sal...	swati patil	Sohan Sonawane	Priyanka Patil	Jaya borse

Find a participant

- DP Dr. P. M. Raotole (Host, me)
- AJ Aakash Jadhav
- AW Anjali Wagh
- BP Bhushan Patil.
- CM Chaitali Mahajan
- DP Dhananjay patil
- DS Diya salunkhe
- G Gautami Chavhan
- Harshada desh...
- HP Harshal Patil
- HP Hemangi pravin deshmukh
- jagadish patil
- JB Jaya borse
- JP Jayesh patil

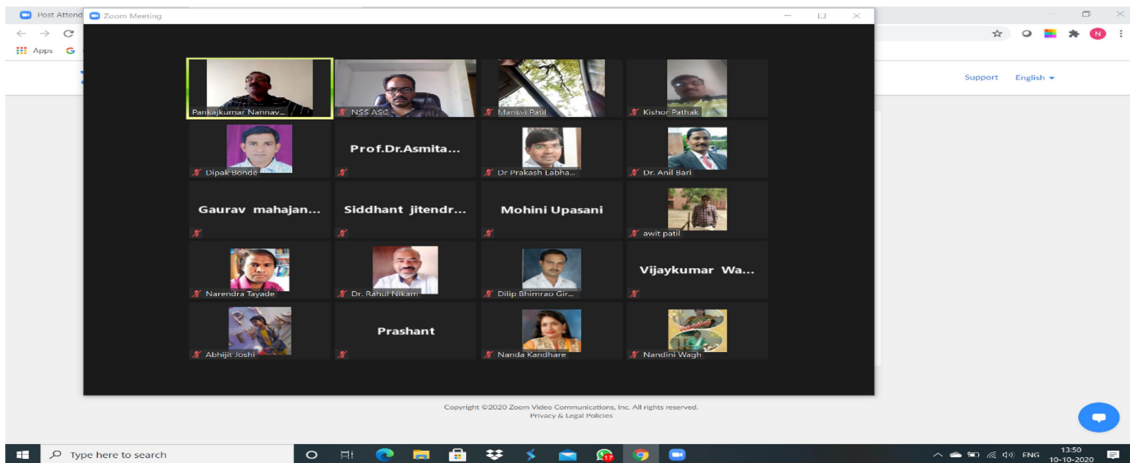
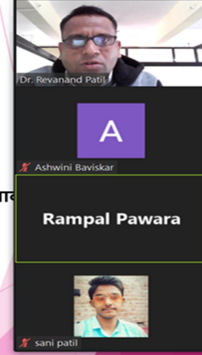
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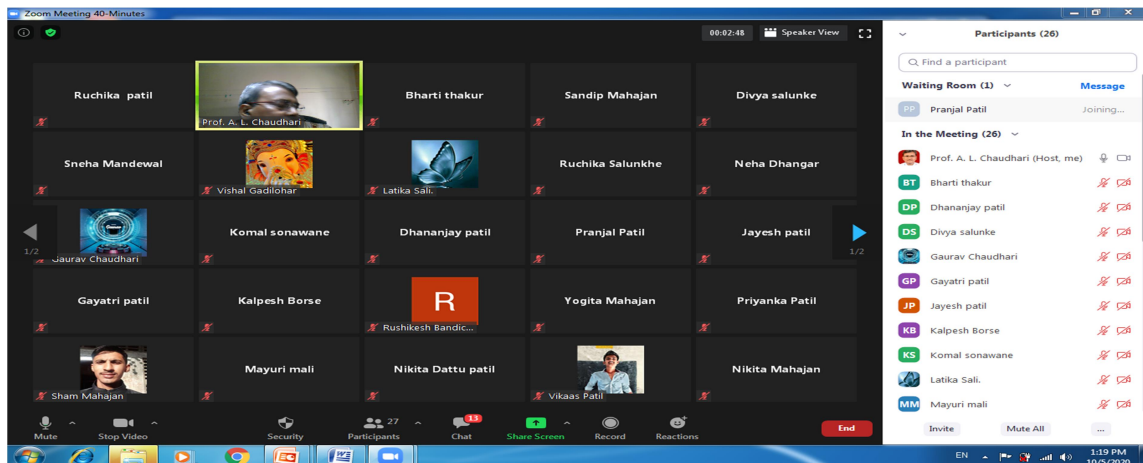
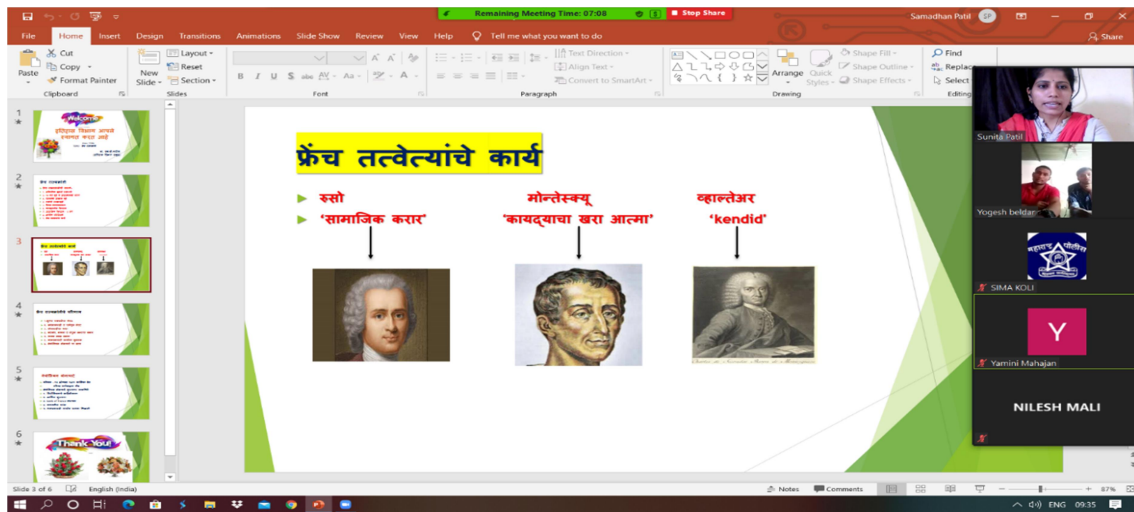
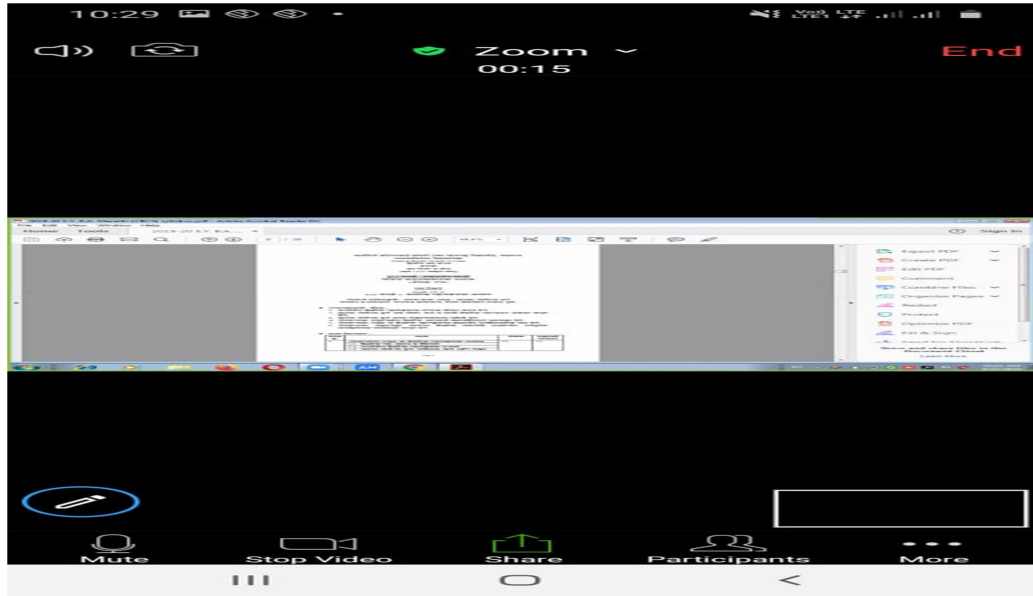
# Sem - I: Paper Name : Fundamental of Psychology

## Chapter 1: Introduction Psychology

### मानसशास्त्रचे स्वरूप

- ❖ १९ व्या शतकाच्या उत्तरार्धापासून मानसशास्त्र हे स्वतंत्र शास्त्र म्हणून उदयास आले.
- ❖ मनाचा आणि आत्म्याचा अभ्यास करणारे शास्त्र.
- ❖ मानसशास्त्रचा मुख्य अभ्यास विषय वर्तन आहे.
- ❖ एकेकाळी ' मानसशास्त्र म्हणजे वेड्याचे अभ्यास करणारे शास्त्र असे मानले जात होते.
- ❖ मानसशास्त्राच्या या प्रवासात तत्ववेत्त्यांनीचे मोलाचे योगदान :
- ग्रीक तत्ववेत्ते प्लेटोने इ.स.पूर्व ३४७ कल्पनांचे निरपेक्ष अस्तित्व मान्य करून त्यांचे आपल्या वर्तनात







काव्य तथा साहित्य की परिभाषाएँ - अंग्रजी, संस्कृत तथा हिंदी प्रचलित परिभाषाएँ

- काव्य तथा साहित्य का स्वरूप -
- साहित्य शब्द विभिन्न अर्थ में प्रयुक्त होता है।
- साहित्य शब्द अंग्रजी के Literature के विकल्प के रूप में प्रचलित है।
- दूसरी शब्दों कहा जा सकता है कि, जहाँ शब्द और अर्थ, भाव और विचारों का परस्पर सहभाव है साहित्य है।
- विद्वानों ने साहित्य शब्द की व्युत्पत्ति संहित मानी है। अर्थात् हित के साथ
- साहित्य शब्द का प्रचलन साहित्य के अर्थ में सातवीं-आठवीं शताब्दी में हुआ। इससे पूर्व संस्कृत में साहित्य के स्थान पर 'काव्य' शब्द का प्रयोग होता था। आचार्य भामह, राजशेखर, वामन, कुंतक आदि विद्वानों ने साहित्य के लिए 'काव्य' शब्द का प्रयोग किया है।

Hand-drawn circuit diagram and calculations on a blue background:

$$P = I^2 R = 48 \text{ W}$$

$$V = 24 \text{ V}$$

$$R = 2 \Omega$$

The diagram shows a circuit with a 24V source, a 2Ω resistor, and a 4Ω resistor. The current is labeled as I.

$$R_T = 6 \Omega$$

$$I = 4 \text{ A}$$

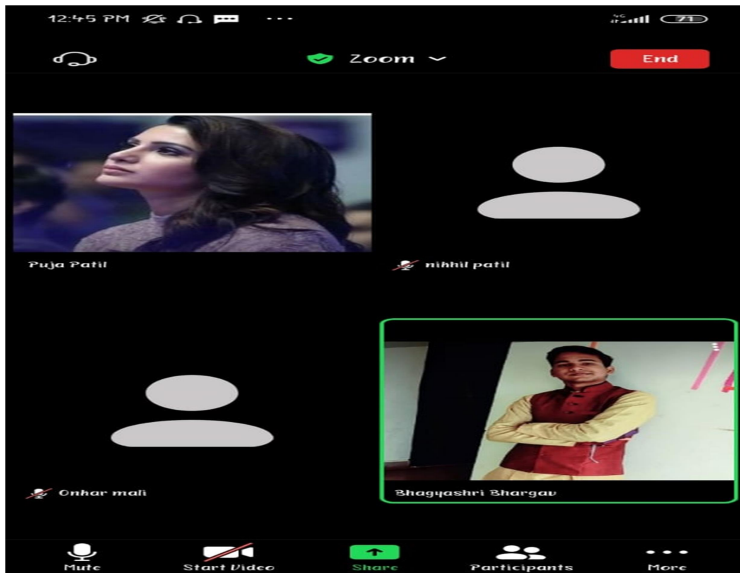
$$P = 48 \text{ W}$$

$$R_T = 1 \Omega$$

$$I = 12 \text{ A}$$

$$P = 48 \text{ W}$$

Zoom meeting grid participants: Darshana Sutar, Shubham sathe, Darshana sali, Vaishnavisonawane, Jay patil, Rushi patil.







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## - Yogesh Patil's Zoom Meeting

Inbox

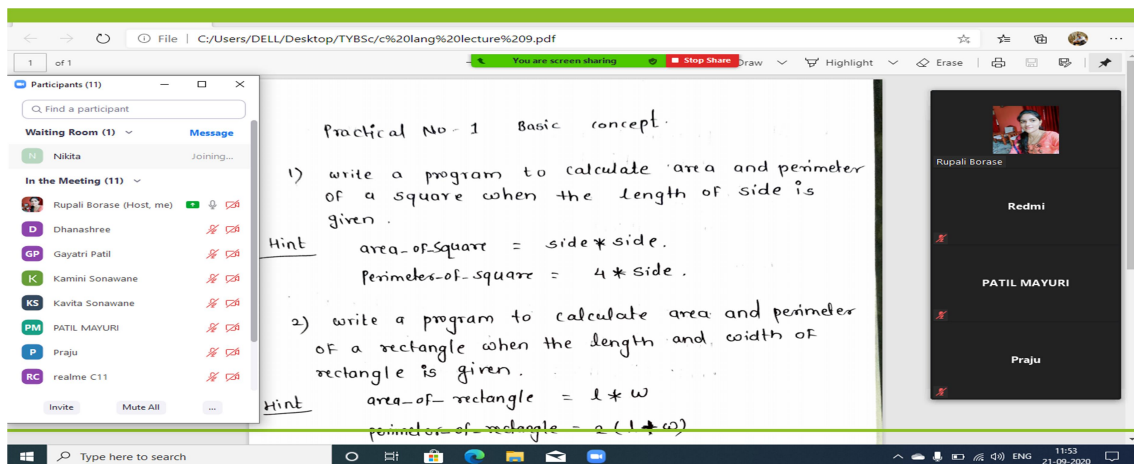
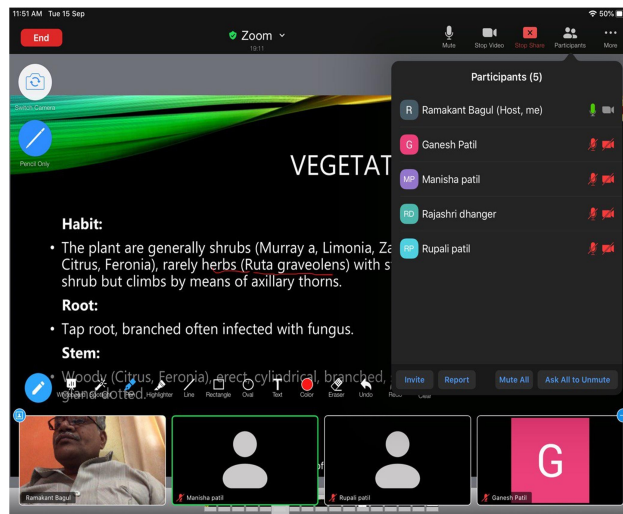
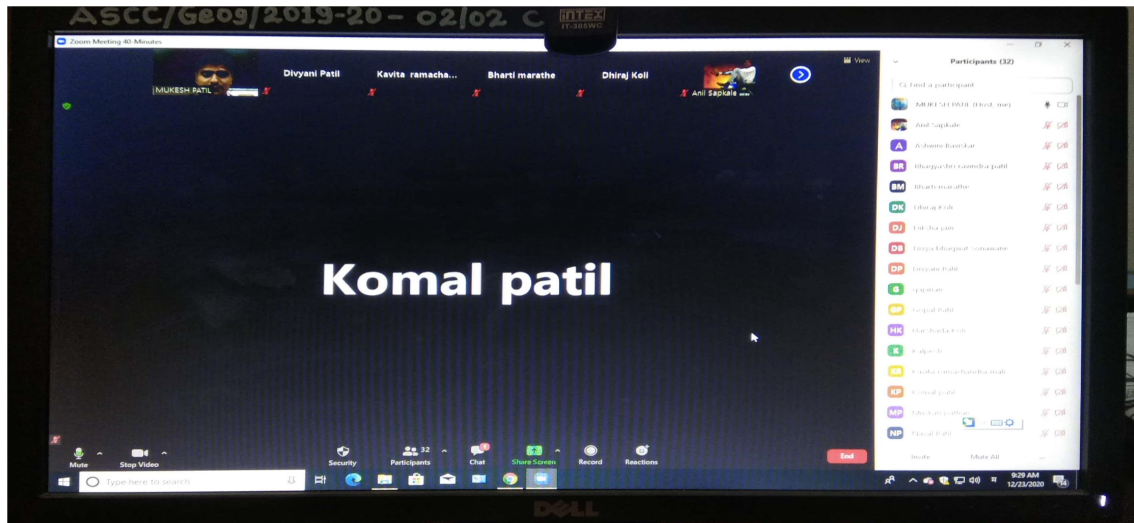


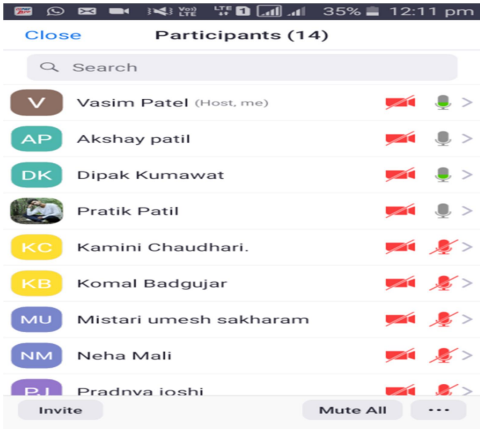
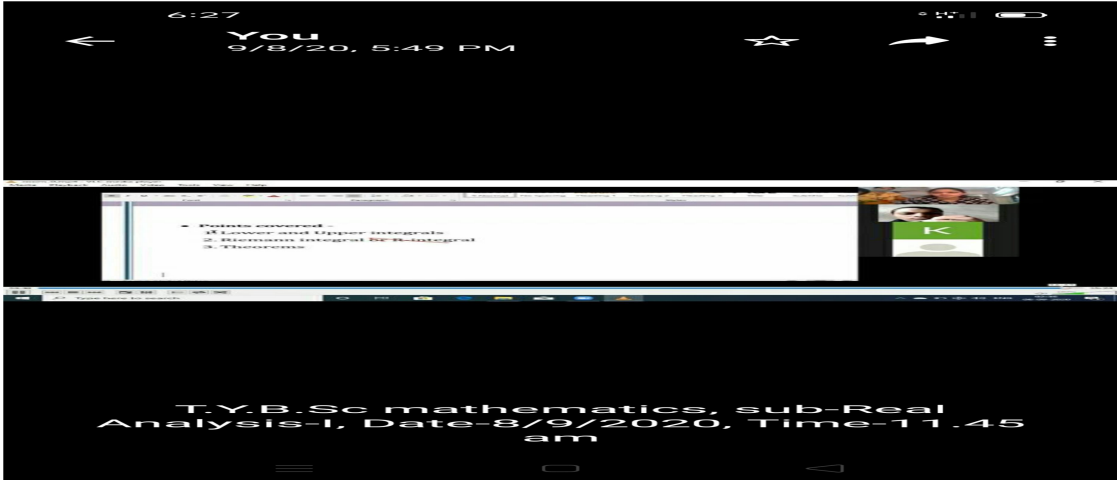
**yogesh patil** 2:46 pm  
to patilnamdev3629, L...

May 23  
**Yogesh Patil's Zoom Meeting**  
[ADD TO CALENDAR](#)

- Today 3:10 – 3:30 pm
- <https://us04web.zoom.us/j/2440583744?pwd=6bBSmX>
- Unknown Organizer (organiser)
- [Show agenda on 23 May](#)

Yogesh Patil is inviting you to a







Organic chemists use mass spectrometry in three principal way;

1. To measure relative **molecular masses** (molecular weights) with very high accuracy; from these can be deduced exact molecular formulae.
2. To detect within a molecule the places at which it prefers to **fragment**; from this can be deduced the presence of recognizable grouping within the molecule.
3. As a method for **identifying analytes** by comparison of their mass spectra with libraries of digitized mass spectra of known compounds.