

The image shows a Skype video call in progress. The main window displays a PowerPoint presentation titled "Unit-1 Basic Remote Sensing - PowerPoint". The current slide is titled "Definition" and contains the following text:

Definition

5

- Remote sensing can be defined as the acquisition and recording of information about an object without being in direct contact with the object.
- Remote sensing, process of obtaining information about land, water, or an object without any physical contact between the sensor and the object of interest.
- Remote sensing is an extensive science, starting from basic tools for support and development. It depends greatly on the progress of geomatics and precise satellite workbooks. Satellite and digital equipment play an important role in remote sensing, providing information about the land studied.
- The benefits of remote sensing continue to grow. It can be used as a tool to reach areas for education, and provides a major benefit, precision and accurate source that offers a different perspective. All photos are not thermal and easily accessible sources of information for classification.

Below the slide, the Skype interface shows a chat window with the name "Saleem Ahmed" and a status of "Offline". The bottom of the screen displays the Windows taskbar with various application icons and the system tray showing the time as 10:28 AM on 1/29/2021.



Parveen Kumar

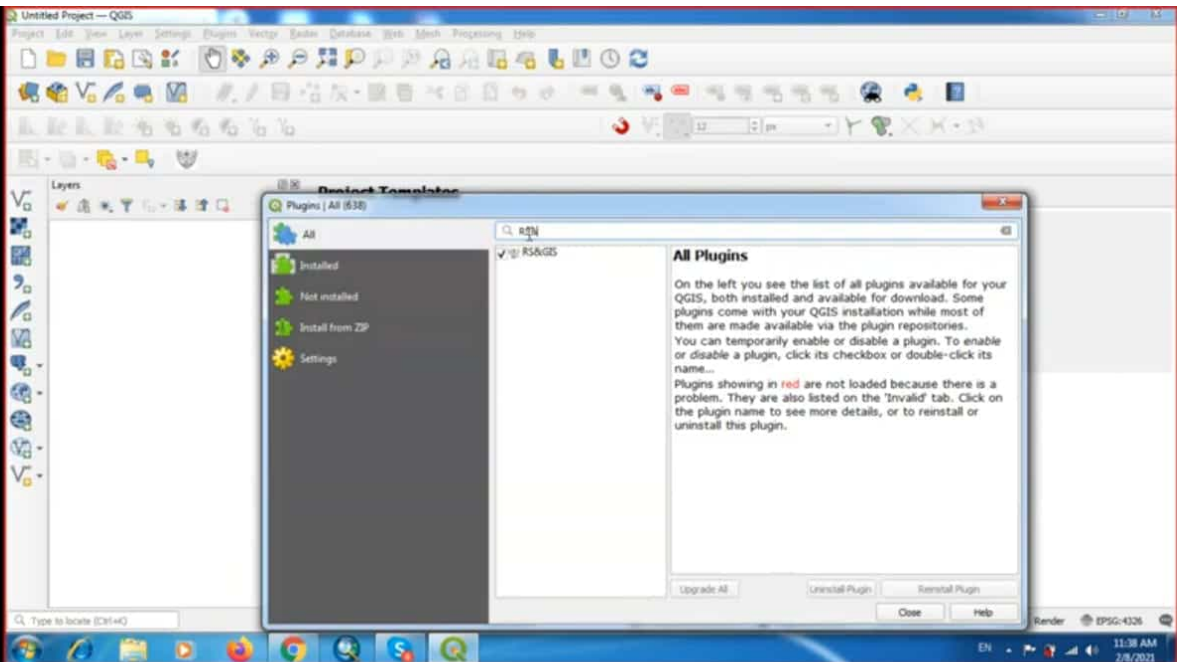


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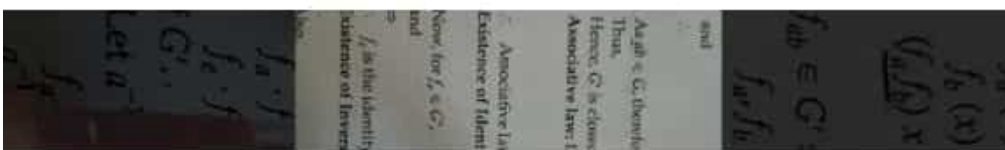
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CONTI....

- **Winds:** Various types of wind affect temperature.
- **Clouds and rains:** Clouds by obstructing the heat from the Sun and rains by cooling the Atmosphere, affect the temperature.
- **Color of the soil:** Black color of soils absorbs more radiations and other types reflect them.
- **Slope of the soil:** Black color of soils absorbs more radiations and other types reflect them.
- **Forest and vegetation:** Due to Evapotranspiration and interception of sun – rays, temperatures are moderated.

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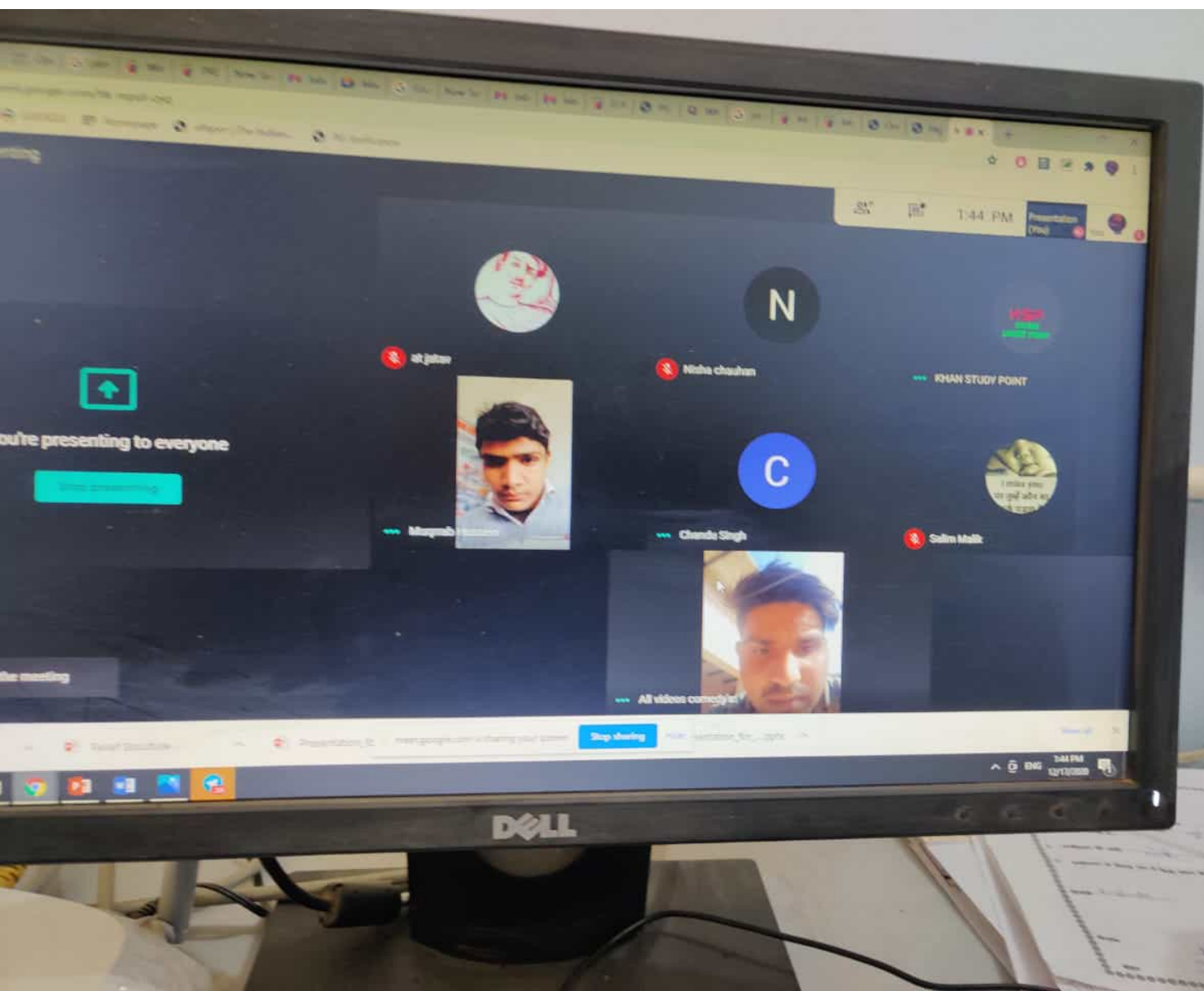


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1:44 PM Presentation (Prod)



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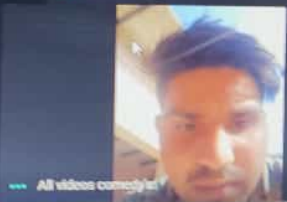
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Salim Malik



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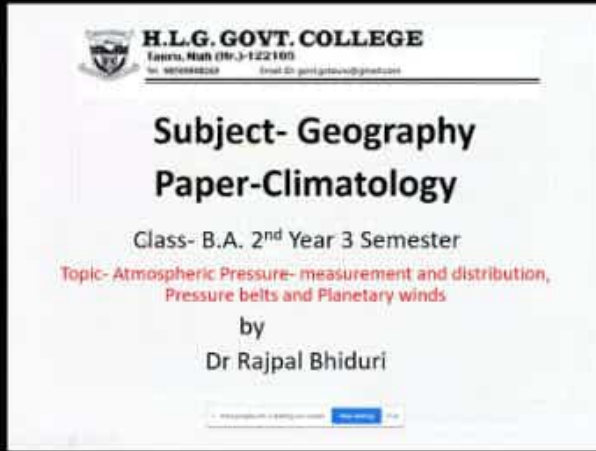
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3. ONLINE PRESENCE:





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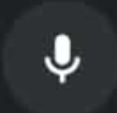
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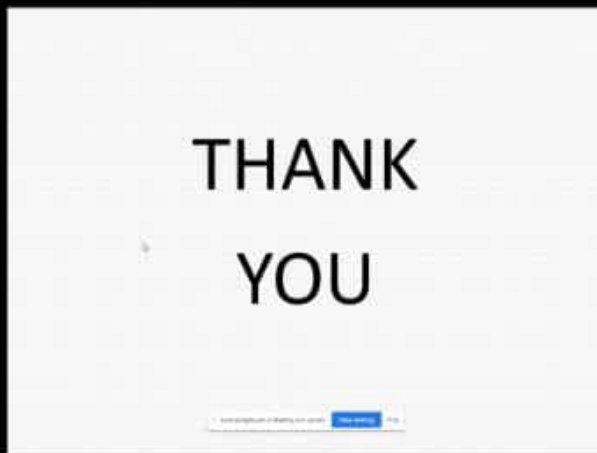
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Class- B.A. 2nd Year 3 Semester

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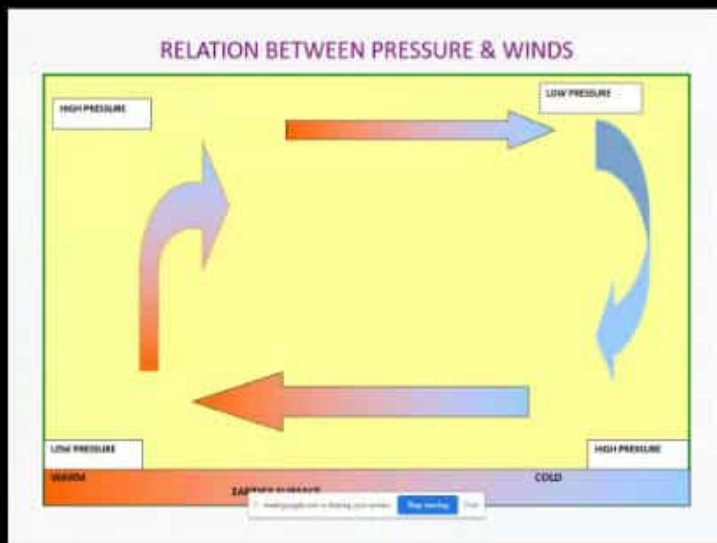
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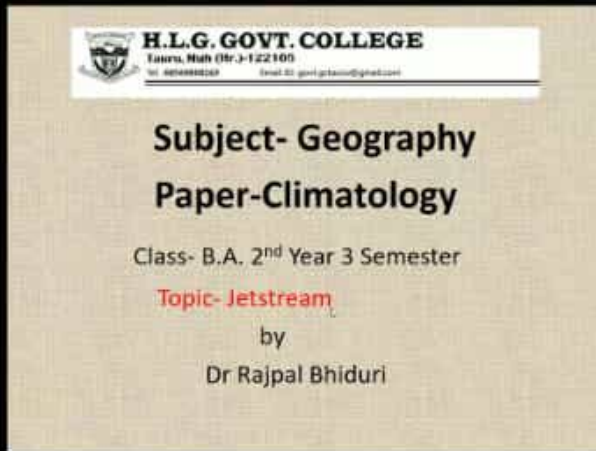


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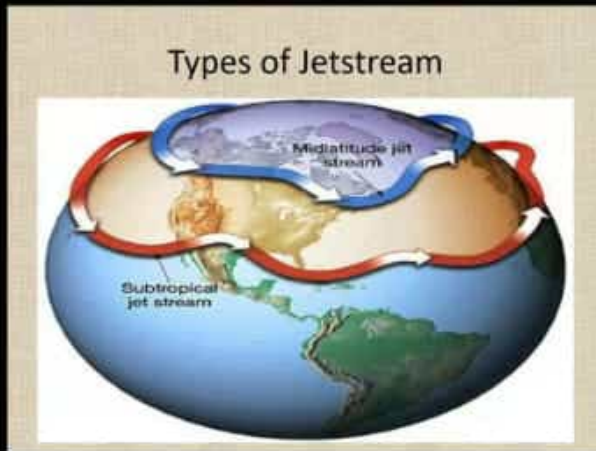
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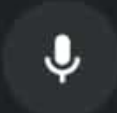
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Bhaginder




A La Niña year

- La Niña events act independently – they are not associated with El Niño events:
- they involve the build-up of cooler-than-usual subsurface water in the eastern Pacific Ocean
- very warm waters build up in the western Pacific
- they create severe drought conditions in the eastern Pacific coastlands/western and southern South America
- very wet weather can be experienced in northern Australia and Indonesia



The diagram illustrates the La Niña phenomenon. It shows a cross-section of the Pacific Ocean. On the left (western Pacific), there is a large mass of 'Very warm water' on the surface. On the right (eastern Pacific), there is a large mass of 'Very cold water' on the surface. A blue arrow indicates 'Very strong air circulation' moving from the warm water side to the cold water side. The diagram also shows clouds and rain over the warm water side, and a dry, sunlit area over the cold water side.

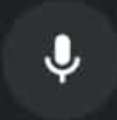
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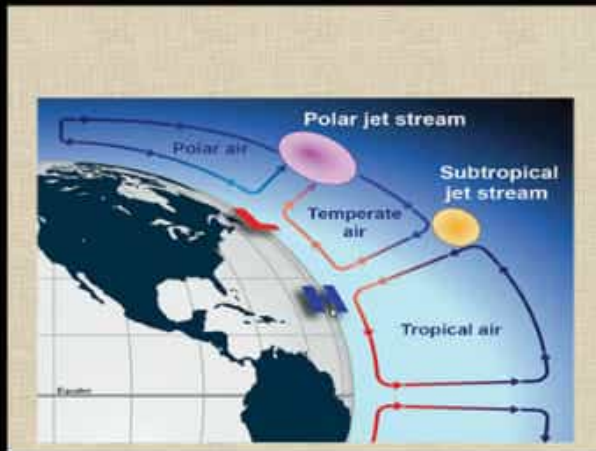
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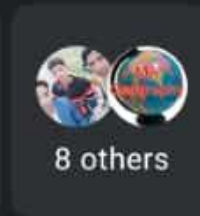
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Managing El Niño and La Niña impacts

Managing the impacts of these events is difficult because:

- they cannot be predicted with accuracy
- they affect large parts of the globe, not just the Pacific
- some of the countries affected do not have the resources to cope
- there are indirect impacts on other parts of the world through trade and aid

However, increasing awareness and research should make it possible to anticipate the impacts and enable decision-making to reduce any negative impacts or take advantage of positive impacts.

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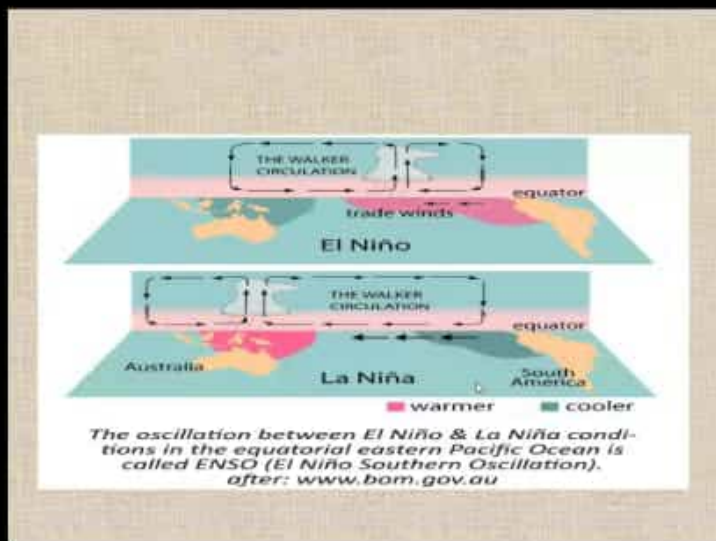


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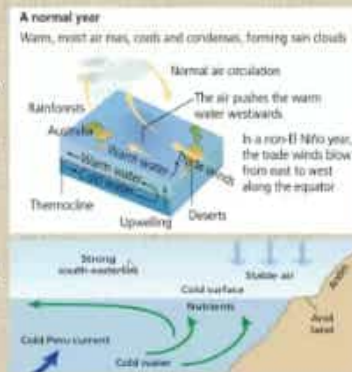
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A normal year

Normal conditions are:

- high pressure exists in the eastern Pacific, low pressure in the western Pacific
- surface trade winds blow east to west across the Pacific Ocean, with compensatory upper atmosphere westerly winds (the Walker Circulation)
- these push warm water across the sea surface from east to west
- upwelling of cold water takes place off the west coast of Peru, together with more cold water supplied by the cold Peruvian ocean current
- dry weather exists in coastal Peru, with rain in northern Australia.



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Global changes to rainfall and drought in a La Niña year



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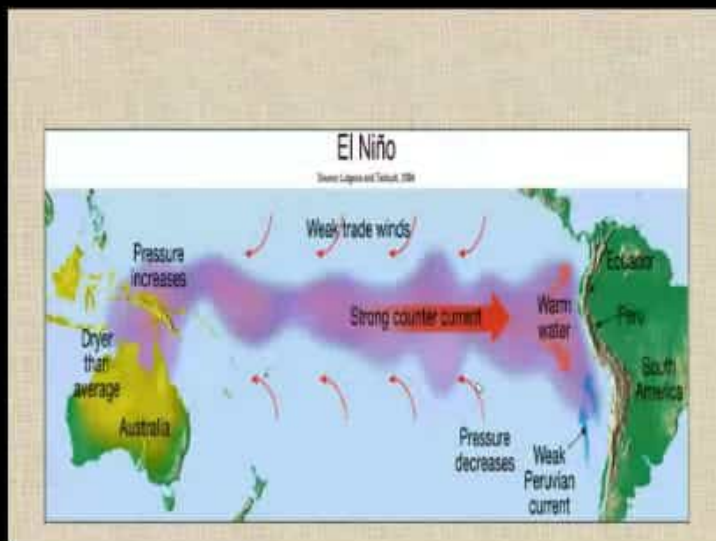


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The First Signs of a La Niña

- > The first signs of an emerging La Niña event are often observed in the ocean. The Bureau of Meteorology monitors and reports on a range of ENSO indicators, including:
 - Short-term bursts of tropical rainfall activity
 - Water temperatures at the sea surface and at depth
 - Ocean heat content – measuring the amount of energy stored in the ocean
 - The Southern Oscillation Index
 - Atmospheric air pressure
 - Cloudiness – measuring the amount of cloud in tropical regions
 - The strength of the trade winds and winds higher in the atmosphere
 - ocean currents
- > The weather pattern known as La Niña brings warmer-than-normal sea surface temperatures (in red) to the southern Pacific Ocean around northern Australia, New Guinea, and the islands of Indonesia. The cooler sea-surface temperatures of La Niña (in blue) occur in the southern Pacific off the coast of South America.

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Topic- El Nino- La Nino Phenomena

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Global changes to rainfall and drought in a La Niña year



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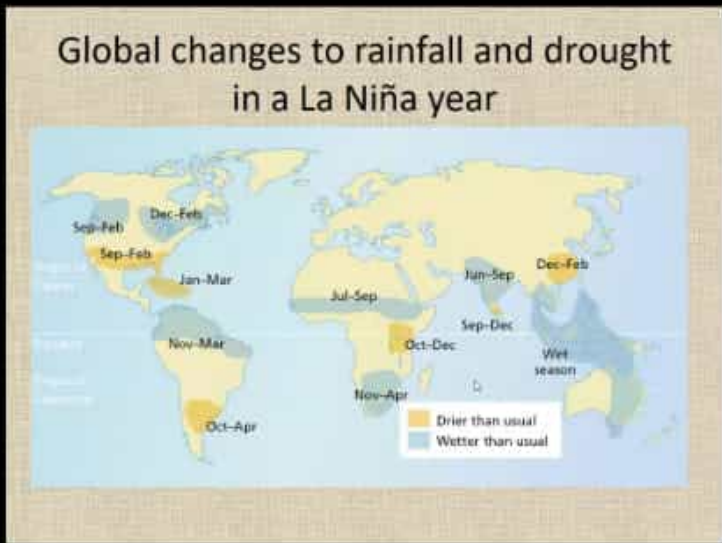


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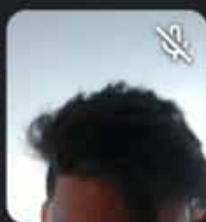
Section- B

- (3) (a) Atmospheric Pressure- measurement and distribution
- (b) Pressure belts
- (c) Planetary winds
- (d) Monsoon
- (e) Jetstream EL NINO- LA NINO phenomena
- (f) Local winds

- (4) (a) Humidity- measurement and variables
- (b) Evaporation and Condensation
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The Stratosphere

- This extends upwards from the tropopause to about 50 km. It contains much of the ozone in the atmosphere. The increase in temperature with height occurs because of absorption of ultraviolet (UV) radiation from the sun by this ozone. Temperatures in the stratosphere are highest over the summer pole, and lowest over the winter pole.

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PERIODIC / SEASONAL WINDS

1. Mountain and Valley Breeze
2. Land and Sea Breeze
3. Monsoons

1. Mountain and Valley Breeze 2. Land and Sea Breeze 3. Monsoons

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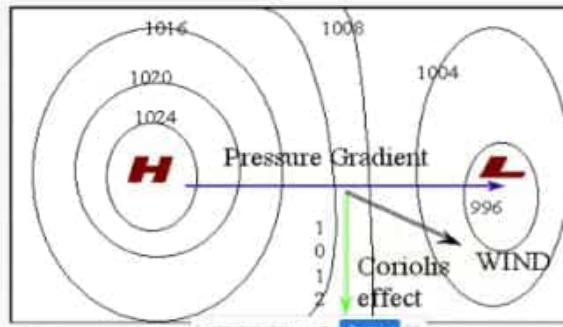


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WHAT CAUSES WIND?

Driving Force : Pressure Gradient Force



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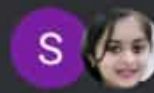
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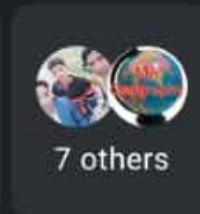
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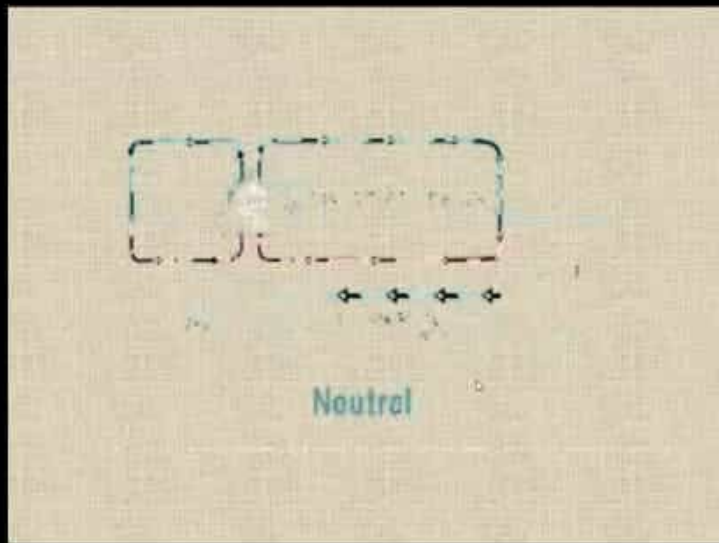



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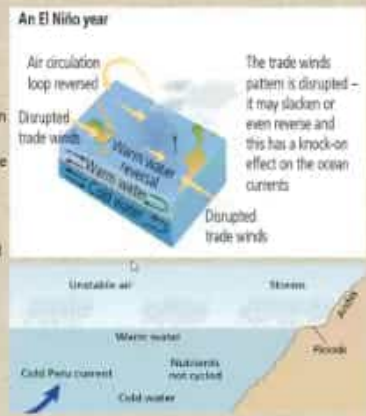


 
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An El Niño year

In an El Niño year

- the trade winds become weaker, and may even reverse
- low pressure develops over the eastern Pacific, with high pressure to the west
- warm water replaces cold water off the coast of Peru
- waters off the coast of northern Australia become cooler
- rainfall totals in northern Australia and Indonesia reduce, and the dry conditions often spread to India and southeast Asia
- rain falls in northwestern South America



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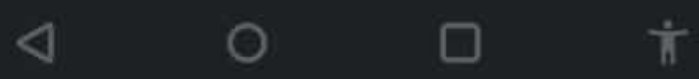
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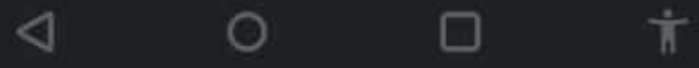
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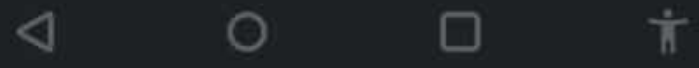
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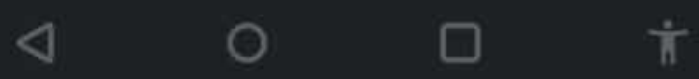
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The Thermosphere and Ionosphere

- The thermosphere lies above the mesopause, and is a region in which temperatures again increase with height. This temperature increase is caused by the absorption of energetic ultraviolet and X-Ray radiation from the sun.

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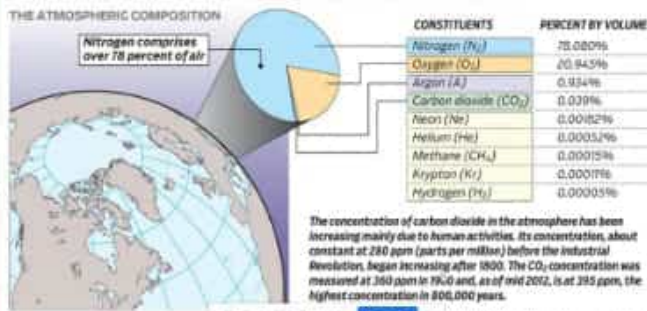


Composition of the Atmosphere

The composition of the Earth's atmosphere

The envelope of gases that we call the Earth's atmosphere is bound to the planet more or less permanently by gravity. Within 50 miles of the surface, the air is so thoroughly mixed by turbulence that variations of its permanent constituent gases are minimal. Three gases – nitrogen, oxygen and argon – comprise about 99 percent of dry air, by volume. Water vapor is a variable constituent and it can be present up to about four percent.

THE ATMOSPHERIC COMPOSITION



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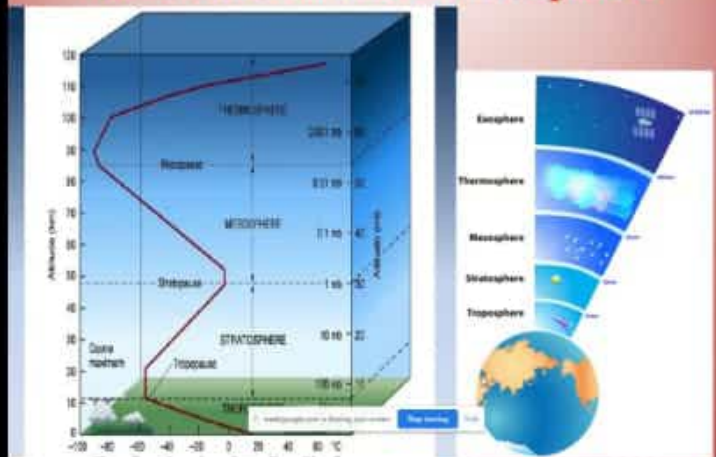
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Structure of the Atmosphere



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The Exosphere

- The region above about 500 km is called the exosphere. It contains mainly oxygen and hydrogen atoms, but there are so few of them that they rarely collide - they follow "ballistic" trajectories under the influence of gravity, and some of them escape right out into space.

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N

Nisha



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Insolation or Incoming Solar Radiation

- As we all know, the sun is the primary source of energy for the earth. The sun radiates its energy in all directions into space in short wavelengths, which is known as **solar radiation**.
- The earth's surface receives only a part of this radiated energy (2 units out of 1,00,00,00,000 units of energy radiated by the sun).
- The energy received by the earth's surface **in the form of short waves** is termed as **Incoming Solar Radiation or Insolation**.
- The amount of insolation received on the earth's surface is far less than that is radiated from the sun because of the small size of the earth and its distance.

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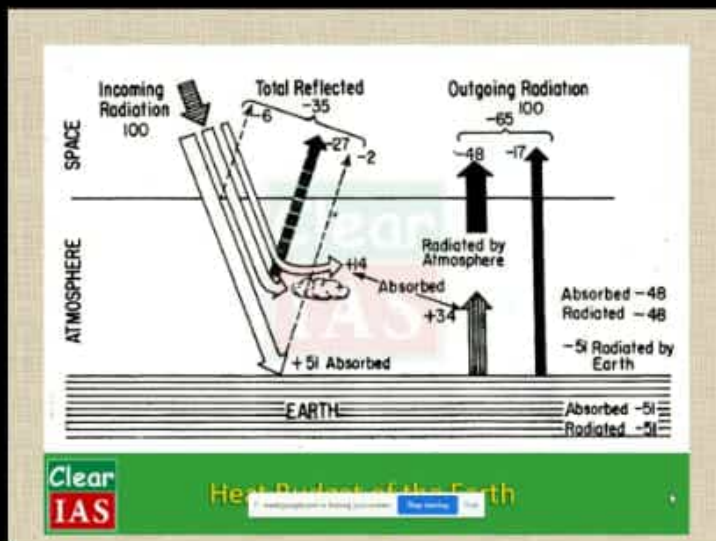
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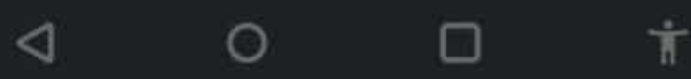
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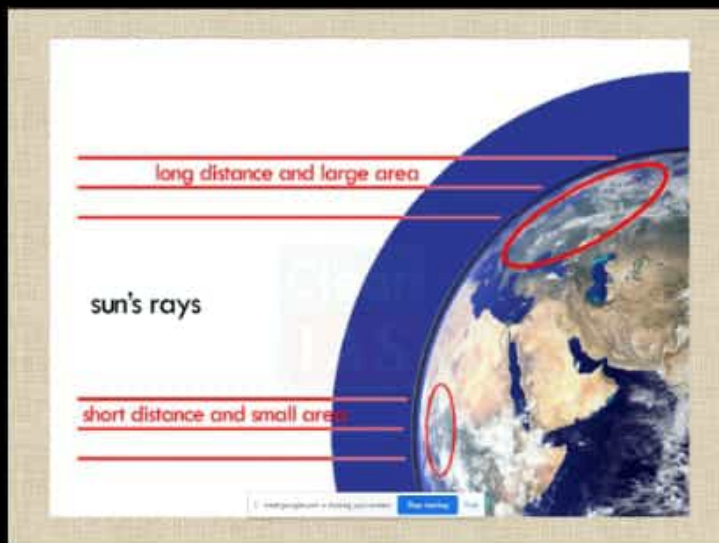



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+ Earth's Heat Budget

- Latitudinal heat balance:
- Balance of incoming and outgoing radiation applicable for whole earth is not maintained on latitudes.
 - At 38° , incoming radiation and outgoing radiation are equal.
 - Above 38° , the atmosphere loses more radiation.
 - Below 38° , the atmosphere gains more radiation.
- This energy imbalance is what drives winds and ocean currents.

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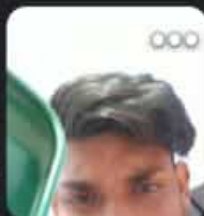


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How to Measure Temperature

- Three temperature scales (units): Kelvin (K), Celsius (C), Fahrenheit (F)
- All scales are relative degrees.
- $F = \frac{9}{5} \text{ degrees C} + 32 \text{ degrees}$
- $K = \text{degrees C} + 273.15$
- For converting Celsius to Fahrenheit :
- $F = (C \times 1.8) + 32$ OR $(C \times \frac{9}{5}) + 32$
- For converting Fahrenheit to Celsius : $C = \frac{(F-32) \times 5}{9}$ OR $(F-32) / 1.8$

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ATTENDED AN INTERNATIONAL WEBINAR ON
"REVISITING HUMAN RIGHTS, ETHICS AND ENVIRONMENT DURING COVID -19"
HELD ON 6TH & 7TH AUGUST 2020.

ORGANIZED BY

CENTER FOR HUMAN RIGHTS STUDIES, DEPARTMENT OF ENVIRONMENTAL STUDIES
DEPARTMENT OF PHILOSOPHY

Handwritten signature of Dr. S.P. Aggarwal in black ink.

DR. S.P. AGGARWAL
(PRINCIPAL)
DIRECTOR, TLC
RAMANUJAN COLLEGE

Handwritten signature of Ms. Neha Yadav in black ink.

MS. NEHA YADAV
(CONVENOR)

Handwritten signature of Dr. J.N. Choudhury in black ink.

DR. J.N. CHOUDHURY
(DIRECTOR WEBINAR)



शिक्षा संस्कृति उत्थान न्यास
नारायणा विहार, नई दिल्ली- 28

प्रमाणपत्र क्रमांक
ISRNPE-CE000063

॥ प्रमाणपत्र ॥

सहर्ष प्रमाणित किया जाता है कि

Dr Rajpal Bhiduri , Assistant professor

HLG Govt college Tauru Nuh Haryana

ने शिक्षा संस्कृति उत्थान न्यास, दिल्ली प्रान्त द्वारा आयोजित दिनांक
01.08.2020 को "वर्तमान सन्दर्भ में शिक्षा की स्वायत्तता" विषय पर राष्ट्रीय
वेबिनार में प्रतिभागिता की।


डॉ. दुर्गा प्रसाद अग्रवाल

राष्ट्रीय संयोजक
शिक्षा में
सि. सं. उर


श्री संजय स्वामी


डॉ. डी. के. पाण्डेय


डॉ. विनोद कुमार

सार सह-संयोजक

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DEPARTMENT OF POLITICAL SCIENCE
TEACHING LEARNING CENTRE
RAMANUJAN COLLEGE
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UNIVERSITY OF DELHI



MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING

CERTIFICATE OF PARTICIPATION

This is awarded to

Dr. RAJPAL BHIDURI

of

HLG GOVT COLLEGE TAURU NUH HARYANA

for participating in the Webinar on *One Year of the Repeal of Article 370: Implications and Outcomes*, held on 05 August 2020.

JAGANNATH CHOUDHURY
PROGRAMME DIRECTOR

DR. APARAJITA MAZUMDAR
CONVENOR

DR. S. P. AGGARWAL
PRINCIPAL



Meeting details

People (17)

- M Me
- N Nisha yadav
- Par
- p priti
- R Raj
- rake
- Rishi
- S Sajjan Dhariwal
- SATIS
- sube
- vijay k
- y yogita

N

Rishi Kumar

S

Sajjan Dhariwal

sube singh Jatav

rakesh kumar

vijay kN kumar

SATISH KUMAR

Meena Rani

Deepa Das



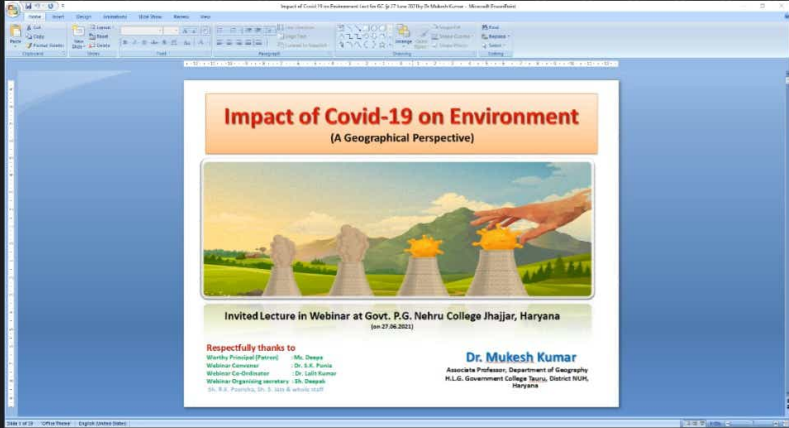
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Impact of Covid-19 on Environment
(A Geographical Perspective)

Invited Lecture in Webinar at Govt. P.G. Nehru College Jhajjar, Haryana
(on 27.06.2021)

Respectfully thanks to
Webinar Principal (Patron) - Mr. Deepak
Webinar Convener - Dr. S.P. Prasad
Webinar Co-Ordinator - Dr. Lalit Kumar
Webinar Organizing secretary - Sh. Deepak
Sh. R.A. Poonkha, Sh. S. Singh & others (2021)

Dr. Mukesh Kumar
Associate Professor, Department of Geography
H.L.S. Government College, Jhajjar, District MEERUT,
Haryana

People

In call

- Prof. Mukesh Kumar (You)
- Prof. Mukesh Kumar (Your presentation)
- 064 Anita
- 075 Monika
- 088 Aarti
- Cultural event
- Hariom Dagar
- lalit kumar
- P Rohaj
- samsher Ambedkar
- shivshankar bhardwaj
- Sunder Punia
- Vikram - 10 O12, BA

11:04 | jvm-etfj-fxa