



MISSION SELECTION



रेलवे NTPC / GROUP - D SERIES

GS

✓ **Winds & Cyclone**

पवन एवं चक्रवात



**7 NOV
3:00 PM**

Welcome everyone.



Happy
Diwali
FESTIVAL OF LIGHT



RAILWAY

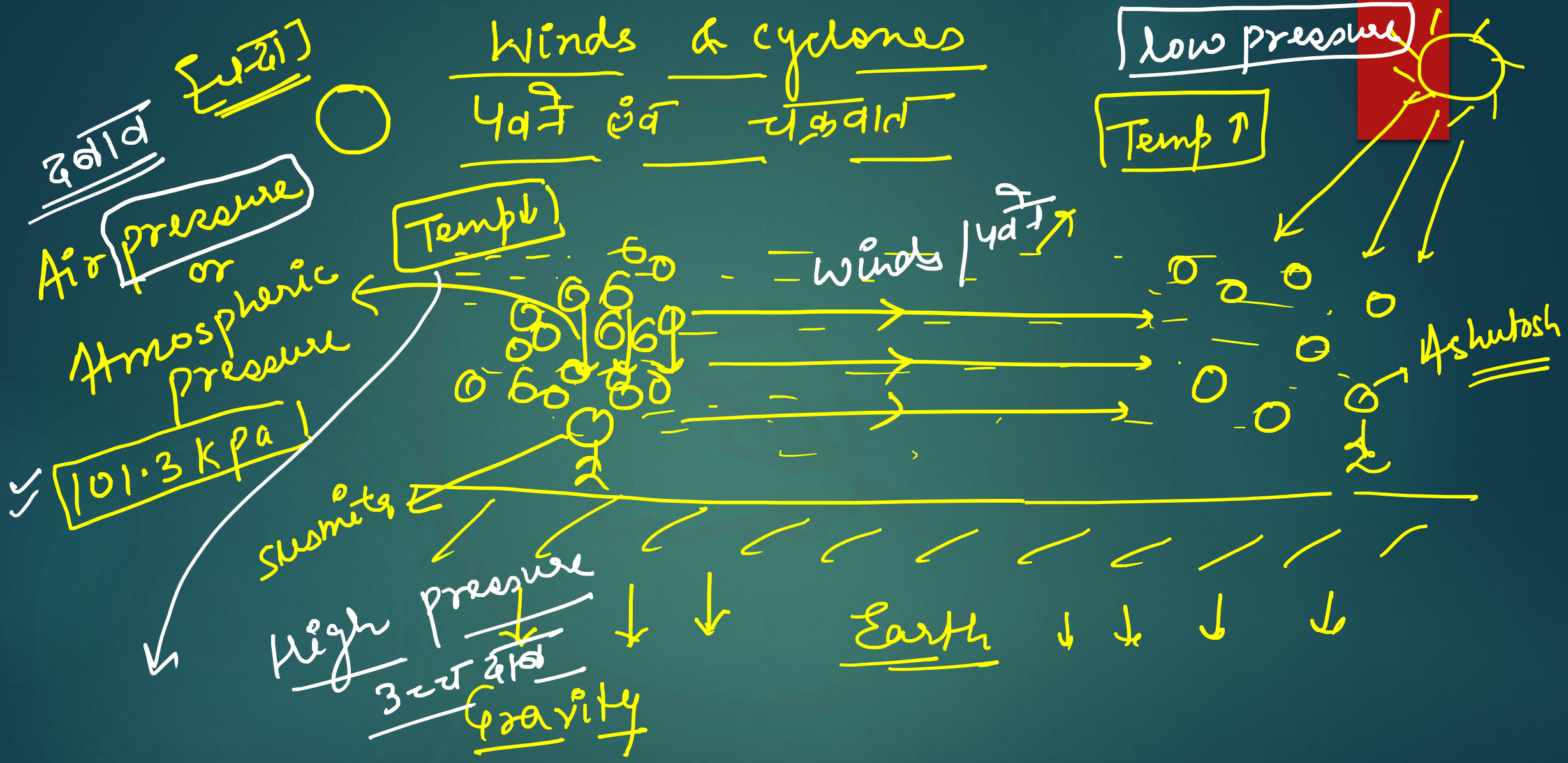
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Winds flow from higher pressure to low pressure

H.P — Low pressure

$$\boxed{\text{Pressure}} = \frac{\text{Force}}{\text{Area}}$$

Pressure gradient
[दाब प्रान्ति]

S.I unit $\rightarrow \boxed{\text{N/m}^2}$ or pascal

* Barometer is used for measuring
Atmospheric pressure

↓ invented by
E. Torricelli

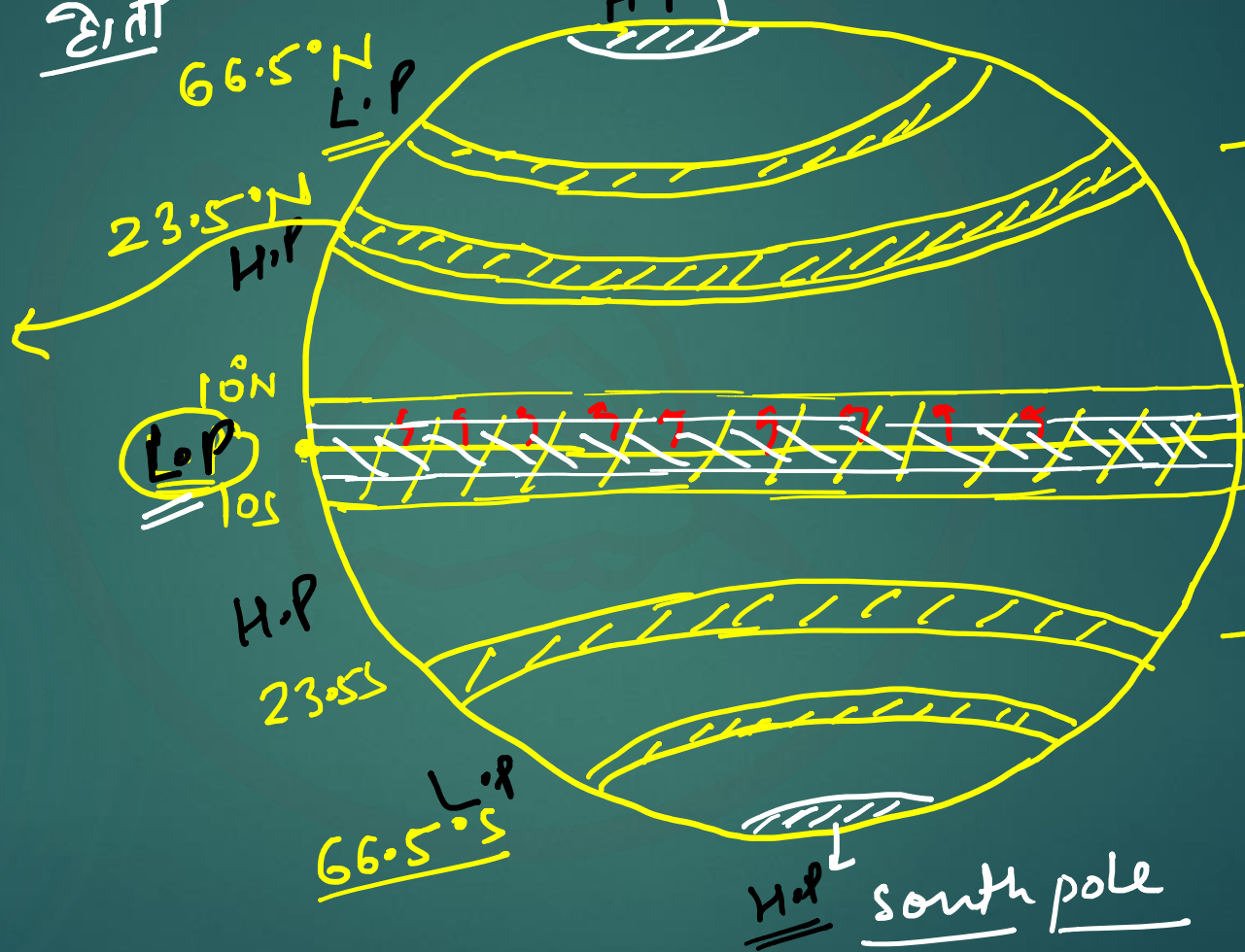
① 10°N to 10°S
 ↓
 Equatorial low pressure belt

{ Horse Latitude
 312व आसिश् }

Pressure belt / दाब पट्टिया

बहुत बालिए
 होती

pressure belt
 द्रुवीय 32व दाब पट्टी



कर्क रेखा
 Tropic of Cancer

0° Equator or
 विषुवत रेखा

Tropic of Capricorn
 मकर रेखा

$5^{\circ}N$ to $5^{\circ}S \rightarrow$ Doldrum \rightarrow Air current
+ दिन में रात्री ओट शाम के वत
↓
जो विविधता
or
Biodiversity
बाहिर

* $90^{\circ}N$ & $90^{\circ}S$ \rightarrow Polar High pressure Belt
↓
Blizzard
[बर्फाला लूना]

30 to 35° \rightarrow Sub-tropical high pressure belt
उपोष्ण उच्च दाब दाब पटी
[60 - $65^{\circ}N$ & S] Sub-polar low pressure Belt
उपशुष्ण निम्न दाब दाब पटी।

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Winds → Blow from high pressure to low pressure

[Atmospheric wind
वायुमंडलीय पवन]

↓ high speed
Eg → [Jet stream]

↓
Blows in stratosphere
[समतापमंडल]

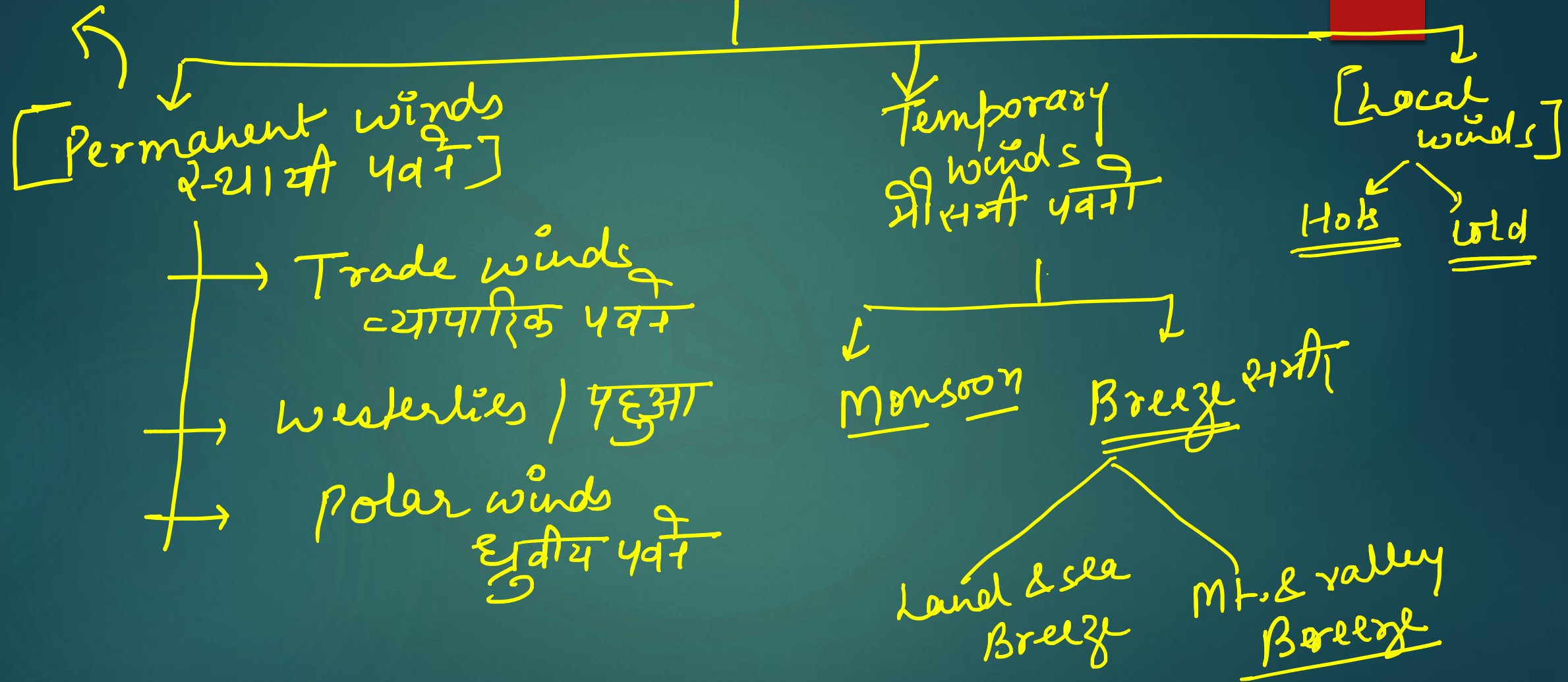
[Terrestrial wind
दर्रातलीय पवन]

↓ permanent winds
र-धायी पवन

↓ Temporary winds
मौसमी पवन

↓ local winds
र-धायी पवन

Terrestrial winds

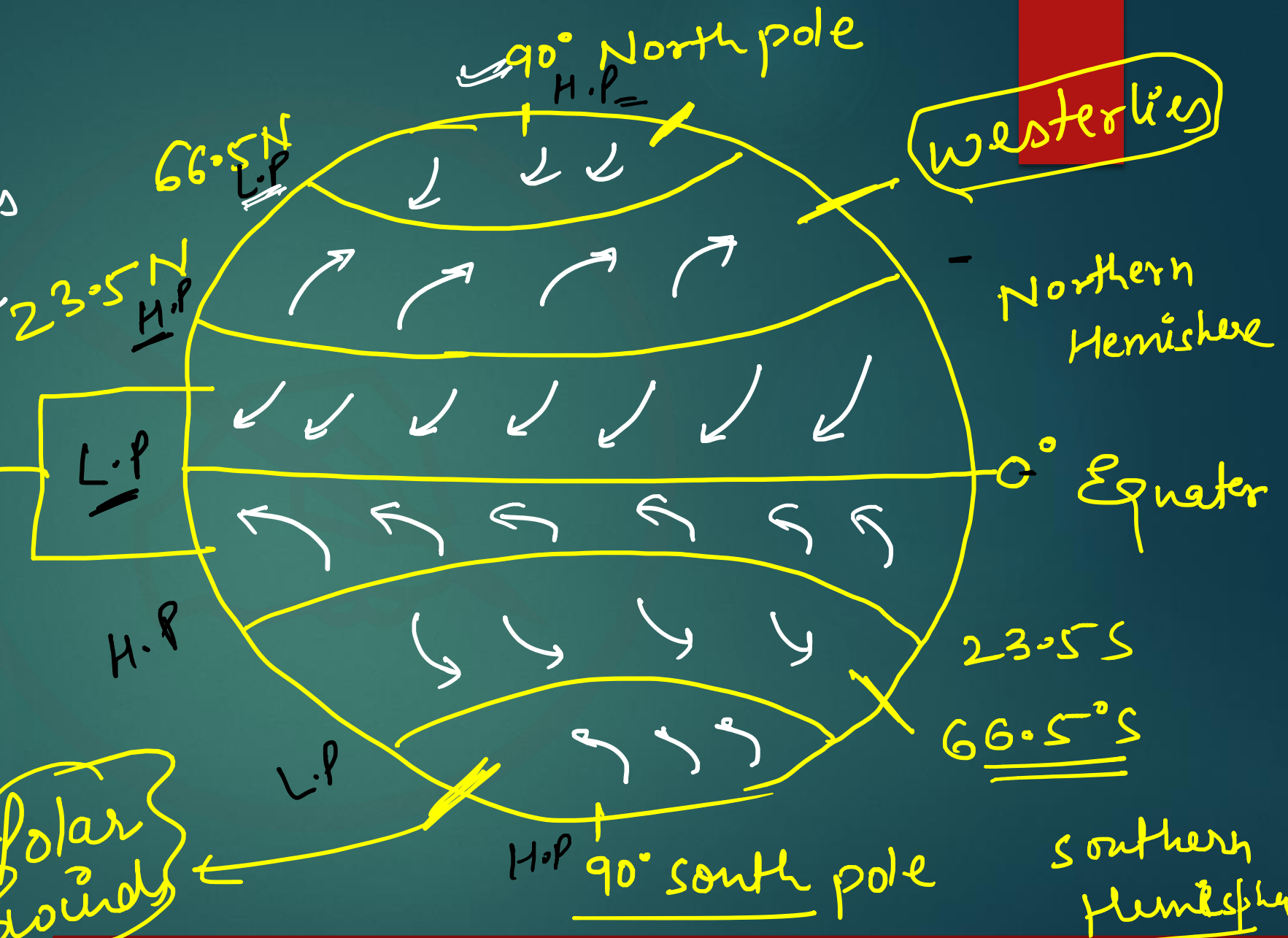


[Permanent winds]

↓
they never changes
its direction

Trade winds

Polar winds



* Nicknames of Westerlies → मधुआरौ
पदुआ के 34 नाम

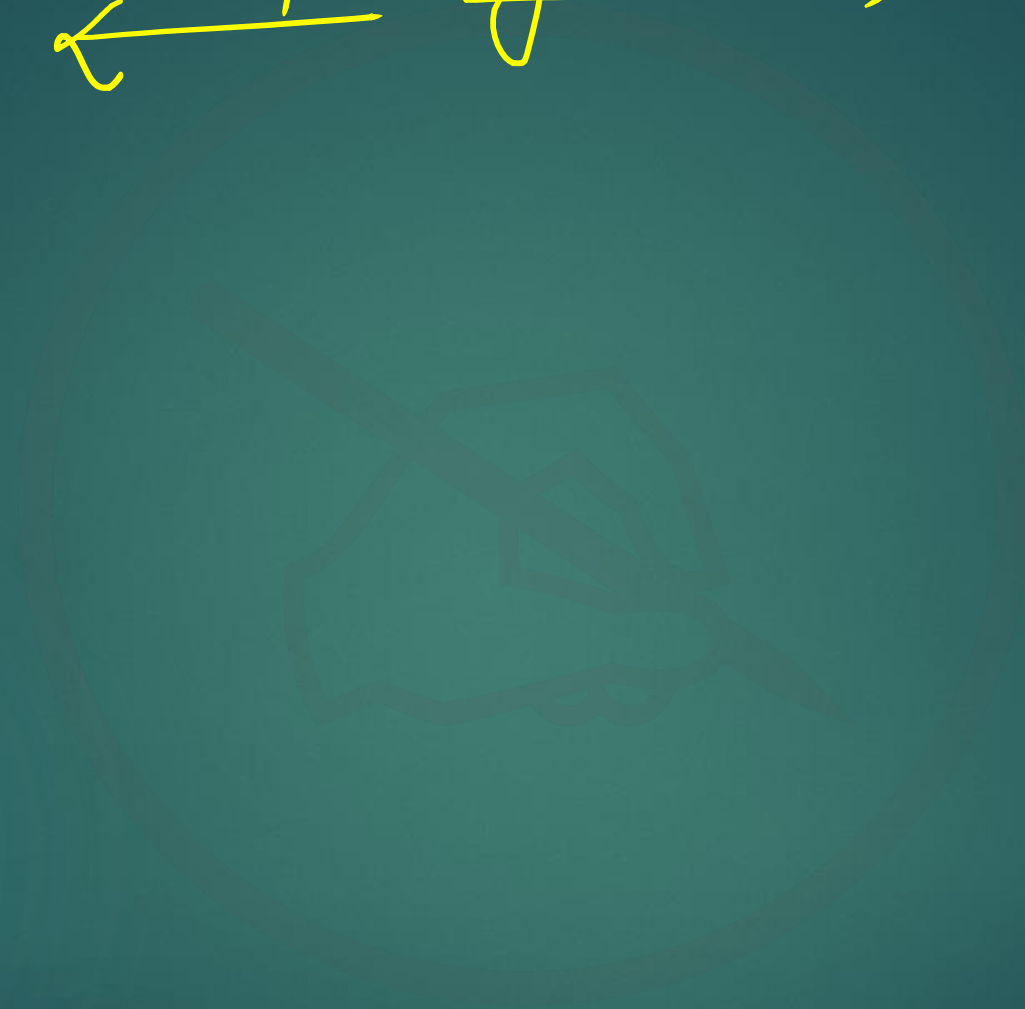
- ⊛ ७१२ जता चालीसा / Roaring forties
- * ५-५०५ ५-चासा / Furious fifties
- * चीखता साठ / Screaming sixties

History by Hasnain
Sir

Biology " " "

Geog " " "

Temporary winds



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