



SSC GK

PYQs Class Notes

PART-3

Parmar Sir

Lecture:- 31

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1. With which neighbouring country did India sign the Farakka Treaty in 1996 for sharing of the Ganga Waters and on augmenting its flows?

भारत ने 1996 में गंगा जल के बंटवारे और इसके प्रवाह को बढ़ाने के लिए किस पड़ोसी देश के साथ फारक्का संधि पर हस्ताक्षर किए थे?

- | | |
|-----------------|----------------|
| 1. Afghanistan | 1. अफगानिस्तान |
| 2. Bhutan | 2. भूटान |
| 3. Nepal | 3. नेपाल |
| ✓ 4. Bangladesh | 4. बांग्लादेश |



Distributary

Indus River Water Treaty

- Signed in 1960 between India and Pakistan with the help of the World Bank (also a signatory)
- Signed between J L Nehru (then PM of India) and Mohammad Ayub Khan (then President of Pak) in Karachi

2. Continental Shelf which is the shallowest part of the ocean has an average gradient of:

महाद्वीपीय शेल्फ, जो समुद्र का सबसे उथला भाग है, की औसत ढाल है:

- | | |
|--------------------|---------------------|
| ✓ 1° or even less | 1. 1° या उससे भी कम |
| 2. 2° or even less | 2. 2° या उससे भी कम |
| 3. 8° or even less | 3. 8° या उससे भी कम |
| 4. 5° or even less | 4. 5° या उससे भी कम |

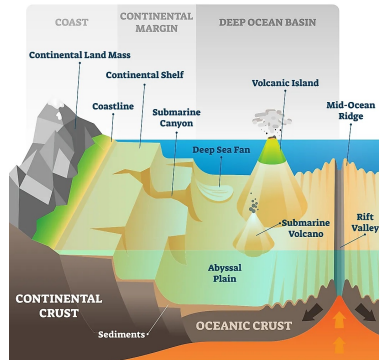
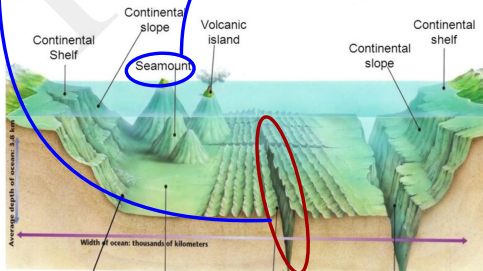
• Widest continental shelf is of: Siberia

- 9 coastline states
- 4 coastal UTs

Minerals found in large amounts

Mid-oceanic ridge (Major relief feature)

Submerged flat-topped undersea mountains: Guyots



Relief Features

Major

Minor

Continental shelf → Continental slope →
Continental rise → Abyssal plains

Guyots, Seamounts, Atoll

Ring-shaped coral reef,
island, or series of islets

In order

· Mid-oceanic Ridge first explained through Sea Floor Spreading Theory by Harry H. Hess

→ **Largest:** Atlantic Ocean (longest
landform as well)

3.

Vallabhbhai Patel and _____ helped Gandhi in Kheda by organising his tour of the villages and urging the peasants to stand firm against the government.

वल्लभभाई पटेल और _____ ने खेड़ा में गांधी का दौरा आयोजित करके और किसानों से सरकार के खिलाफ मजबूती से खड़े होने का आग्रह करके गांधी की मदद की।

- | | |
|------------------------|-----------------------|
| 1. Motilal Nehru | 1. मोतीलाल नेहरू |
| 2. Mohammad Ali Jinnah | 2. मोहम्मद अली जिन्ना |
| ✓ 3. Indulal Yajnik | 3. इंदुलाल याज्ञिक |
| 4. Jamunlal Bajaj | 4. जमुनालाल बाजाज |

· Gandhi returns India → 9 Jan 1915

↓
Celebrated as **Pravasiya Diwas** for Non-resident Indians

· Political guru: Gopal Krishna Gokhale

· 3 movements:

→ **Champana Satyagrah (1917):** Rajkumar Shukla invited Gandhi

→ Successful event

→ 1st Civil Disobedience
Movement

↳ Regarding Tinkathiya System to complain about injustice of the landlord system → Cultivation of Indigo in 3/20th part of land

1st hunger strike

→ **Ahmedabad (1918) Mill Strike:** Invited by Anusuya Sarabhai

↳ Workers of mills in Ahmedabad fought for economic injustice when the mill owners discontinued their plague bonuses
↳ Demanded 50% hikes

→ **Kheda Satyagrah (1918):** Invited by Sardar Vallabhbhai

“**Sardar**” title given in 1928 Bardoli Satyagrah by the women participants

In support of the peasants who were not able to pay the land tax due to the failure of crops

1st Non-Cooperation Movement

4. Which of the following algae is also called kelp and found in the deep sea?

निम्नलिखित में से किस शैवाल को केल्व भी कहा जाता है और गहरे समुद्र में पाया जाता है?

- ✓ 1. Laminaria
- 2. Fucus
- 3. Nostoc
- 4. Chlamydomona

- 1. लैमिनारिया
- 2. फुकस
- 3. नोस्टॉक
- 4. क्लैमिडोमोनास

Autotrophs

Brown Algae

Also known as: Phaeophyceae

• Study of Algae: Phycology

Green algae: Chlorophyceae

Eg: Spirogyra

• Sargasso Sea is named after Sargassum muticum which is a brown algae/seaweed

Border less sea

Found in the middle of North Atlantic gyre

5. Which of the following is NOT an Equestrian discipline?

निम्नलिखित में से कौन सा घुड़सवारी अनुशासन नहीं है?

- 1. Dressage
- 2. Vaulting
- 3. Sprint
- 4. Show jumping

- 1. ड्रेसेज
- 2. वॉल्टिंग
- 3. स्प्रिंट
- 4. कूदना दिखाओ

Part of running

6. In a volleyball game, each team comprise of how many players?

वॉलीबॉल खेल में प्रत्येक टीम में कितने खिलाड़ी होते हैं?

- 1. 5
- 2. 8
- ✓ 3. 6
- 4. 7

7. Which of the following is considered as a **good indicator of economic growth?**
 निम्नलिखित में से किसे आर्थिक विकास का अच्छा संकेतक माना जाता है?

1. Steady increase in loan
2. Steady increase in population
3. Steady increase in the GDP
4. Steady increase in international trade

1. कर्ज में लगातार बढ़ोतरी
2. जनसंख्या में लगातार वृद्धि
3. जीडीपी में लगातार बढ़ोतरी
4. अंतर्राष्ट्रीय व्यापार में लगातार वृद्धि

As it gives information about the size of the economy and how an economy is performing

8. In India, which of the following **regulatory mechanisms** was NOT in existence to enforce regulation of the industrial sector?

भारत में, औद्योगिक क्षेत्र के विनियमन को लागू करने के लिए निम्नलिखित में से कौन सा नियामक तंत्र अस्तित्व में नहीं था?

1. Industrial licensing under which every entrepreneur had to get permission from government officials to start a firm, close a firm or decide the amount of goods that could be produced.
2. Some goods could be produced only in small-scale industries.
3. Private sector was allowed in all industries.
4. Controls on price fixation and distribution of selected industrial products.

1. औद्योगिक लाइसेंसिंग जिसके तहत प्रत्येक उद्योगी को एक फर्म शुरू करने, एक फर्म को बंद करने या उत्पादित किए जाने वाले मात्रा तय करने के लिए सरकारी अधिकारियों से अनुमति लेनी पड़ती थी।
2. कुछ वस्तुओं का उत्पादन केवल लघु उद्योगों में ही किया जा सकता था।
3. सैमी उद्योगों में निजी क्षेत्र को अनुमति दी गई।
4. चयनित औद्योगिक उत्पादों के मूल्य निर्धारण और वितरण पर नियंत्रण।

9. Which German chemist was the first to show a graphical representation of the periodicity of an atomic volume plotted against atomic weight?

किस जर्मन रसायनज्ञ ने सबसे पहले परमाणु भार के विरुद्ध आलेखित परमाणु आयतन की आवधिकता का चित्रमय प्रतिनिधित्व दिखाया था?

- | | |
|--------------------|---------------------|
| 1. William Ramsay | 1. विलियम रामसे |
| 2. John Newlands | 2. जॉन न्यूलैंड्स |
| 3. Glenn T Seaborg | 3. ग्लेन टी सीबॉर्ग |
| 4. Lothar Meyer | 4. लोथर मेयर |

He gave Law of Octaves

- **Chemical on his name: Seaborgium (Z = 106)**
- Also discovered Actinide series in 1944

He discovered four noble gases: Neon, Argon, Krypton, Xenon

• **Mendelevium: Z = 101**

Named after father of periodic table, Dmitri Mendeleev

10. Which ruler of the Chahaman dynasty made Ajmer his capital?

चाहमन वंश के किस शासक ने अजमेर को अपनी राजधानी बनाया?

- | | |
|-------------------|----------------------|
| 1. Prithviraj III | 1. पृथ्वीराज तृतीय |
| 2. Prithviraj II | 2. पृथ्वीराज द्वितीय |
| 3. Arnoraj | 3. अणोरज |
| 4. Ajayaraja | 4. अजयराज |

• **Previous capital: Sakambari, Sambar Lake**

Most saline lake

- **Largest brackish water lake: Chilika Lake**
- **Halocline zone:** where the salinity rapidly changes with depth → Increases
- **Thermocline zone:** Rapid change in temperature with depth

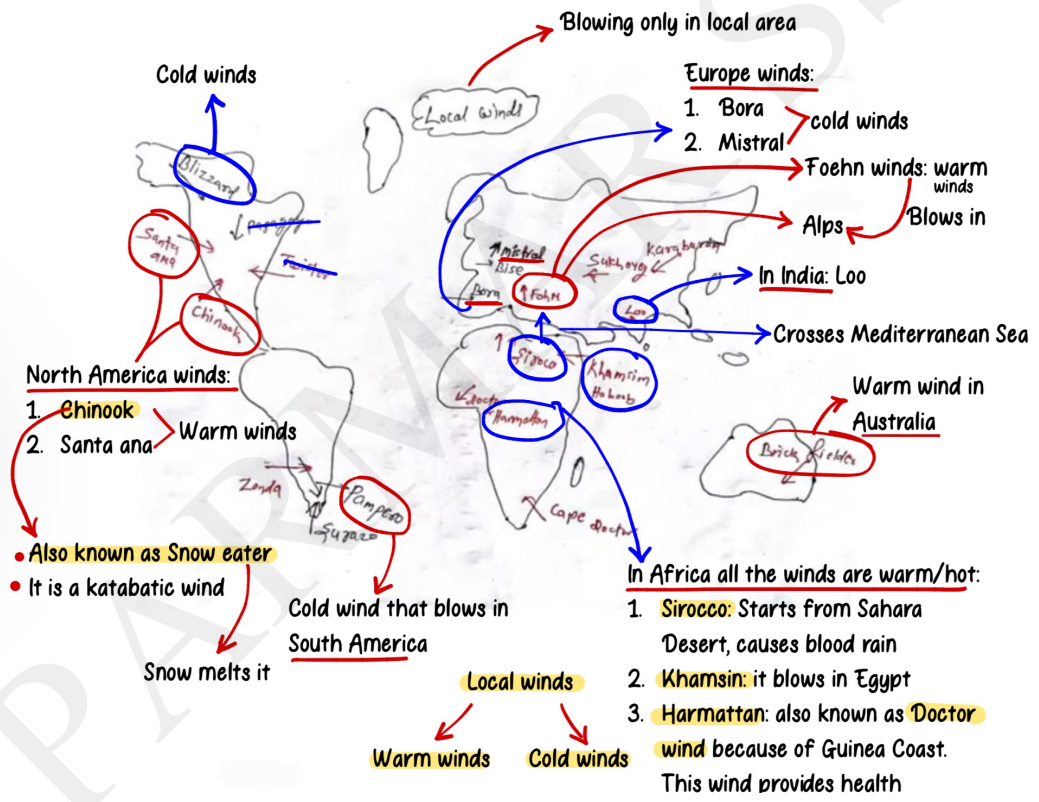
Temperature rapidly drops

11. What is Kalbaisakhi?
 कालबैसाखी क्या है? **Result of advection**

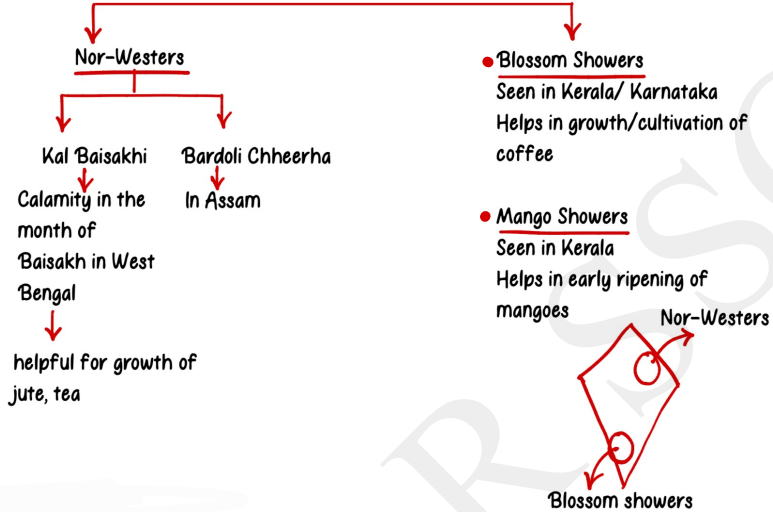
1. Snowfall and hail
 2. Heatwaves and locust
 3. Pre monsoon showers and thunderstorms
 4. Cold waves and rains
-
1. बर्फबारी और ओले
 2. ज्व और लू
 3. प्री-मानसून बारिश और तूफान
 4. शीत लहरे एवं वर्षा

Some local winds

- **Sirocco:** these winds blow from Sahara to Mediterranean Sea (Africa)
- **Chinook:** these blow around the rocky Mountains (USA)
- **Khamsin:** these winds blow around the regions of Egypt
- **Harmattan:** these winds blow around Gulf of Guinea also known as Guinea doctor



Pre-Monsoon Showers



12.

Bhutia dance is performed in which of the following states?

भूटिया नृत्य निम्नलिखित में से किस राज्य में किया जाता है?

- | | |
|----------------|-----------------|
| 1. Nagaland | 1. नागालैंड |
| 2. Odisha | 2. ओडिशा |
| 3. West Bengal | 3. पश्चिम बंगाल |
| 4. Sikkim | 4. सिक्किम |

Folk Dances of Sikkim

- Festival dedicated to Mt. Kanchenjunga
- Dances
- * • Chu-Faat
 - * • Zo mal lok
 - * • Kagyed
 - Sikmari
 - Yakchham/Singi Chham
 - Marooni
 - Ghantu
- Performed by Lepcha Tribe



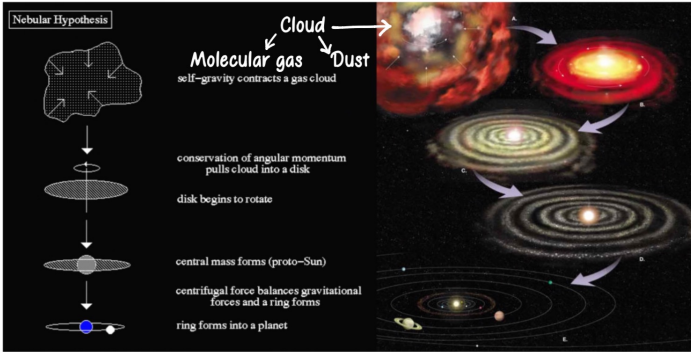
13. Which is the most widely accepted model to explain the formation and evaluation of the solar system?

सौर मंडल के निर्माण और मूल्यांकन को समझाने के लिए सबसे व्यापक रूप से स्वीकृत मॉडल कौन सा है?

- | | |
|-----------------------|-----------------------|
| 1. Cloud hypothesis | 1. बादल परिकल्पना |
| 2. Gas hypothesis | 2. गैस परिकल्पना |
| 3. Nebular hypothesis | 3. नौहारिका परिकल्पना |
| 4. Solar hypothesis | 4. सौर परिकल्पना |

- **Nebular Theory, 1755:** by Immanuel Kant
1796: modified by Laplace

- **Nebula:** A giant cloud of dust and gas



- $H_2 + He \rightarrow$ Nuclear Fusion
- $H + H \rightarrow He \rightarrow$ Formation of Sun (Mostly made of H_2 and He)

$H_2 \rightarrow 70\%$

• Steady State Theory by Fred Hoyle

George Lemaitre: 1931
Edwin Hubble

→ Increase in distance of celestial bodies

Origin of 'Big Bang Theory'. Also, → Explosion → 13.6 billion years ago known as 'Big Bang Explosion'

Syndrome of inappropriate antidiuretic hormone secretion

Match the columns. मिलान करें।

14.

Column-A (Disorder)

- Addison's disease
- Hashimoto's disease
- Acromegaly
- SIADH

Column-B (Hormone/Gland)

- Adrenal gland
- Thyroid gland
- Growth hormone
- Vasopressin

- i-a, ii-b, iii-c, iv-d
- i-d, ii-c, iii-b, iv-a
- i-b, ii-c, iii-a, iv-d
- i-b, ii-a, iii-d, iv-c

→ Released from pituitary gland

→ Release of Adrenaline hormone (also known as flight/fight hormone)

• Pineal gland (pea-sized gland in brain) that releases hormone melatonin → Regulates sleep cycle

High levels of this hormone causes the body to retain water

Insulin

- Secreted by Pancreas ——— 2nd largest gland
- cells: β cells of Islet of Langerhans
- It regulates sugar levels (glucose level in the blood)

15. Which of the following books is an autobiography of the former American president Bill Clinton?

निम्नलिखित में से कौन सी पुस्तक पूर्व अमेरिकी राष्ट्रपति बिल क्लिंटन की आत्मकथा है?

1. Long Walk to Freedom → Nelson Mandela
2. My Country My Life
3. My Life
4. Becoming

Michelle Obama

Lal Krishna Advani

Autobiographies

- APJ Abdul Kalam: Wings of Fire
- Barack Obama: Dreams of My Father; A Promised Land
- J L Nehru: An Autobiography
- 14th Dalai Lama: Freedom in Exile
- Abhinav Bindra: A Shot at History
- Mohammad Ali: The Greatest: My Own Story
- Pandit Ravishankar: My Music My Life
- General V K Singh: Courage and Conviction

16. Prithviraj Raso, an epic poem about the life of the 12th century Indian king, Prithviraj Chauhan, was written by:

पृथ्वीराज रासो, 12^{वीं} शताब्दी के भारतीय राजा पृथ्वीराज चौहान के जीवन के बारे में एक महाकाव्य कविता है, जिसके द्वारा लिखा गया था:

- ✓ Chand Bardai
2. Banabhata
3. Bharavi
4. Ashvaghosa

Also known as
Prithviraj III

1. चंदबरदाई
2. बाणभट्ट
3. भारवि
4. अश्वघोष

- 1191 AD: 1st Battle of Tarain
- 1192 AD: 2nd Battle of Tarain

Wrote: Harshacharitra

17. Who among the following founded the Kalakshetra Foundation in Chennai that is an important centre for the study and performance of fine arts?

निम्नलिखित में से किसने चेन्नई में कलाक्षेत्र फाउंडेशन की स्थापना की जो ललित कलाओं के अध्ययन और प्रदर्शन के लिए एक महत्वपूर्ण केंद्र है?

1. Alarmel Valli
2. Mirinalini Sarabhai
3. Yamini Krishnamurthi
4. Rukmini Devi Arundale

1. अलार्मेल वल्ली
2. मुगालिनी साराभाई
3. यामिनी कृष्णमूर्ति
4. रुक्मिणी देवी अरुंदले

Bharatnatyam

Resident dancer

Asthana Nartaki

First Indian woman to be nominated to RS

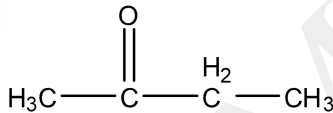
18. Methyl ethyl ketone is also known as:

मिथाइल एथिल कीटोन को इस नाम से भी जाना जाता है:

1. methyl pentanone
2. butanol
3. 2-butanone
4. propanone

1. मिथाइल पेंटानोन
2. ब्यूटेनॉल
3. 2-ब्यूटेनॉल
4. प्रोपेनोन

- -OH: Hydroxy group/Hydroxyl group
- -CHO: Aldehyde
- -COOH: Carboxyl group
- -COOR: Ester group (sweet smelling compounds)
- -R-O-R: Ether



19. How many controls are there globally that influence the climate of a particular zone?

वैश्विक स्तर पर ऐसे कितने नियंत्रण हैं जो किसी विशेष क्षेत्र की जलवायु को प्रभावित करते हैं?

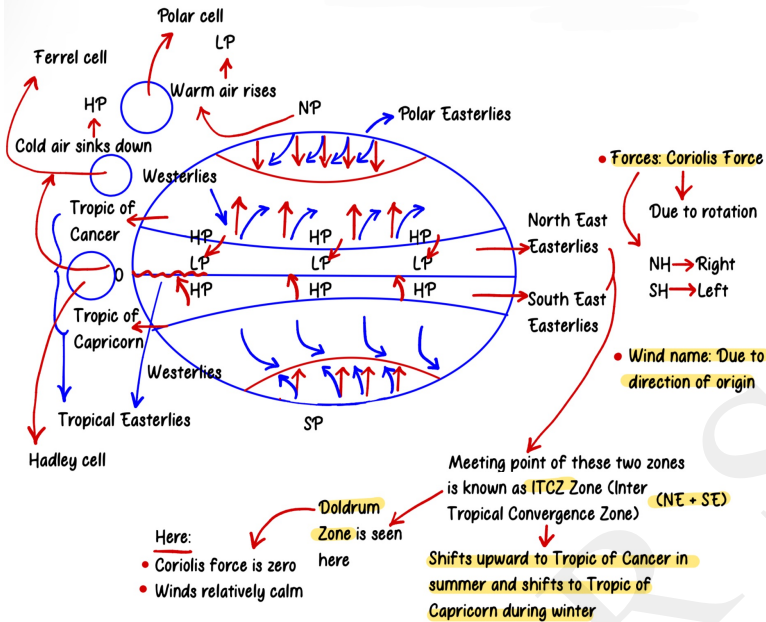
1. 6
2. 8
3. 5
4. 3

Total

1. Latitude
2. Altitude
3. Pressure and Wind system
4. Distance from Sea
5. Ocean Currents
6. Relief features

India: 6 Physiographic Divisions

1. The Himalayas
2. Northern Plains
3. Peninsular Plateau
4. The Great Indian Desert
5. Coastal Plains
6. Group of Islands



Different names of Southern Westerlies

- Furious Fifties
- Shrieking Sixties
- Roaring Forties

• Westerlies also known as permanent/Trade Winds

20.

The central bank may _____ to discourage credit in the economy.

केंद्रीय बैंक अर्थव्यवस्था में ऋण को हतोत्साहित करने के लिए _____ कर सकता है।

1. decrease CRR
2. reduce SLR
- ✓ 3. increase bank rate
4. buy securities in open market

1. सीआरआर कम करें
2. एसएलआर कम करें
3. बैंक दर बढ़ाएं
4. खुले बाजार में प्रतिभूतियाँ खरीदें

Money Supply ↓

Monetary Policy Tools required: Tight/Dear/Hawkish

• BR/RR/RRR/CRR/SLR ↑ → If Money Supply ↓

CA.

Who won Sahitya Akadmi Award in Hindi ?

वैश्विक स्तर पर ऐसे कितने विध्वन हैं जो किसी विशेष क्षेत्र की जलवायु को प्रभावित करते हैं ?

1. Neelum Saran
2. Sanjeev
3. Rajasekaran
4. E.V. Ramakrishnan

For Malayalam

For Telegu

• India's 2nd highest Literary Award → Given in 22 languages (mentioned in 8th schedule + 2 languages (English and Rajasthani))

Given for: Mujhe Pehchano

Neelum Saran for English: Requiem in Raga Janki

CA.

Who won Vijay Hazare Trophy ?

वैश्विक स्तर पर ऐसे कितने विध्वन हैं जो किसी विशेष क्षेत्र की जलवायु को प्रभावित करते हैं ?

1. Rajasthan
2. Karnataka
3. Haryana
4. M.P.

Short format like T20

- Won for the 1st time
- Defeated: Rajasthan