



SSC GK

PYQs Class Notes

PART-3

Parmar Sir

Lecture:- 21

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1.

Which of the following statement is correct about natural resources?
प्राकृतिक संसाधनों के बारे में निम्नलिखित में से कौन सा कथन सही है?

- I. Resources that are drawn from Nature and used without much modification are called natural resources.
- II. Natural resources can be broadly categorized into renewable and non-renewable resources.
- A. वे संसाधन जो प्रकृति से प्राप्त किये जाते हैं और बिना अधिक संशोधन के उपयोग किये जाते हैं, प्राकृतिक संसाधन कहलाते हैं।
- B. प्राकृतिक संसाधनों को मोटे तौर पर नवीकरणीय और गैर-नवीकरणीय संसाधनों में वर्गीकृत किया जा सकता है।

Which of the statements above is/are correct? // उपरोक्त में से कौन सा/से कथन सही है/हैं?

- ✓ Both I and II
- 2. Only II
- 3. Only I
- 4. Neither I nor II

• **Non-renewable resources**: Coal, uranium, oil

• **Renewable resources**: Solar energy, wind energy

Cannot be renewed

2.

Tansen, who was included in the Navaratnas of Akbar, was an expert in playing which of the following musical instruments?

तानसेन, जो अकबर के नवरत्नों में शामिल थे, निम्नलिखित में से किस संगीत वाद्ययंत्र को बजाने में विशेषज्ञ थे?

- ✓ Rabab
- 2. Veena
- 3. Sarangi
- 4. Nagada

• Expert in playing Rudra Veena

• **Original name**: Ramtanu Pandey

• **Belonged to**: Gwalior Gharana → Musician in court of Raja Vikramjeet

• Famously known for composing Dhrupad

Akbar gave him "Miyā" title

• **Tansen Mahotsav**: Madhya Pradesh in the month of December



Single membered body

Was single membered body but changed in

1989

3.

Which of the following statements about the Chief Election Commission are correct?

- 1. The Election Commission celebrated its Golden Jubilee in 2001.
- 2. It currently consists of Chief Election Commissioner and two Election Commissioners.
- ✓ 3. For the first time two additional Commissioners were appointed in 1993.
- 4. The President appoints Chief Election Commissioner and Election Commissioners and have tenure of six years or up to the age of 65 years, whichever is earlier.

Which of the statements above is/are correct?

- 1. Only 2 and 3
- ✓ 2. Only 1, 2 and 4
- 3. Only 1 and 2
- 4. Only 1, 3 and 4

• **ECI**: Part XV
Article: 324-329
Art 324: Estd of ECI

25 Jan 1950: National Voters Day

ECI Estd **1 (Chief Election Commissioner) + 2 (Other Commissioners)**

• **Removal process same as SC/HC judge removal**

At present

- Chief Election Commissioner: Rajiv Kumar
- 2 other Commissioners: Anup Chandra Pandey and Arun Goyal

• 1st CEC: Sukumar Sen

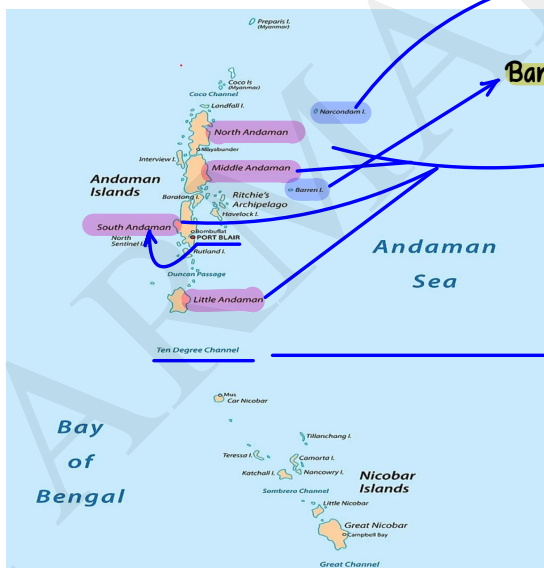
• ECI conducts elections of: Parliament + State Legislature + President + Vice President

4. Jarawa tribes can be found majorly in which part of India?

जारवा जनजातियाँ भारत के किस भाग में प्रमुखता से पाई जाती हैं?

- | | |
|------------------------------|---------------------------------|
| 1. Andaman & Nicobar islands | 1. अंडमान और निकोबार द्वीप समूह |
| 2. Kerala | 2. केरल |
| 3. Madhya Pradesh | 3. मध्य प्रदेश |
| 4. Uttar Pradesh | 4. उत्तर प्रदेश |

• Other tribes: Onges, Sentinelese, Great Andamanese, Shompen tribe



Narcondam: Dormant volcano

Barren: Active volcano

Main Islands of Andaman

Separates Andaman from Nicobar group of Islands

- 10° Channel also separates: Little Andaman from Car Nicobar
- Duncan Passage separates: South Andaman from Little Andaman
- Ritchie's Archipelago: cluster of smaller islands in Andaman
- Baratang National Park: Andaman

5.

Whose law states that total energy per unit mass of flowing fluid, at any point in the subsurface, is the sum of the kinetic, potential, and fluid-pressure energy and is equal to a constant value?

किसका नियम कहता है कि उपसतह के किसी भी बिंदु पर बहते तरल पदार्थ के प्रति इकाई द्रव्यमान की कुल ऊर्जा, गतिज, स्थितिज और द्रव-दबाव ऊर्जा का योग है और एक स्थिर मान के बराबर है?

1. Marie Poiseuille
2. Evangelista Torricelli
- ✓ 3. Daniel Bernoulli
4. Blaise Pascal

$$\text{Kinetic Energy} = \frac{1}{2} m \times V^2$$

↑ Mass
↑ Velocity

The energy an object has because of its motion

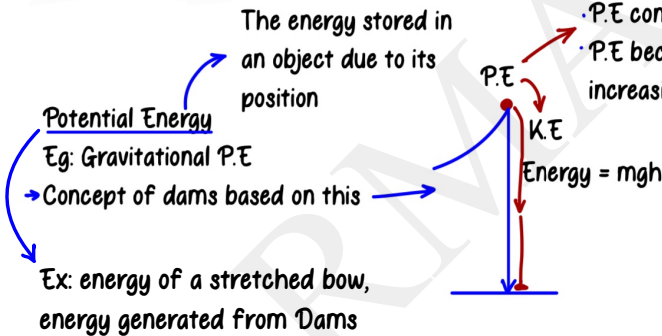
$$K.E = \frac{1}{2} mV^2$$

Relation between K.E and Momentum

$$K.E = \frac{1}{2} m^2 V^2 = \frac{(mV)^2}{2m} = \frac{p^2}{2m} = K.E$$

$$\frac{p^2}{2m} = K.E$$

$$\frac{(2p)^2}{2m} = K.E = 4 \frac{p^2}{2m}$$



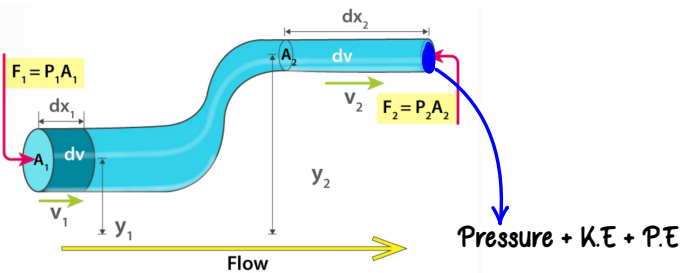
$$\text{Weight} = \text{Force} = mg$$

$$\text{Work done} = \text{Energy} = F \cdot S$$

↓
mgh

K.E + P.E → Mechanical Energy

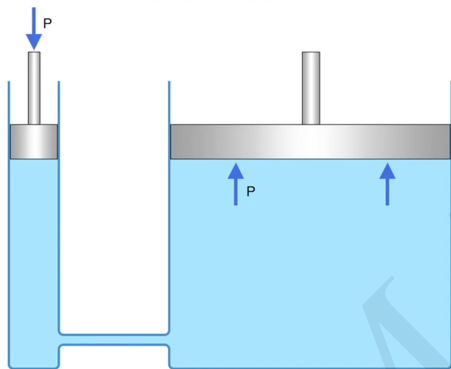
- Dynamo:** Mechanical energy → Electrical energy
- Generator:** Mechanical energy → Electrical energy
- Motor:** Electrical energy → Mechanical energy
- Microphone:** Sound energy → Electrical Energy
- Loudspeaker:** Electrical energy → Sound energy



Pascal's Law

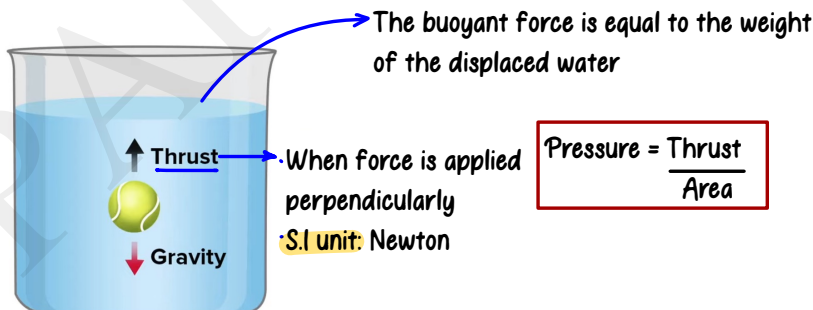
Science Facts

Pressure (P) applied in one part of an incompressible fluid is transmitted undiminished in all directions



S.I unit of Pressure: Pascal

Archimedes Principle



$$\text{Pressure} = \frac{\text{Thrust}}{\text{Area}}$$



6.

Which of the following is correct financial year of India?

निम्नलिखित में से कौन सा भारत का सही वित्तीय वर्ष है?

1. 1 March to 28/29 February
2. 1 June to 31 May
3. 1 April to 31 March
4. 1 May to 30 April

1 Feb: Interim Budget

Hindu Calendar Year starts from 1st April

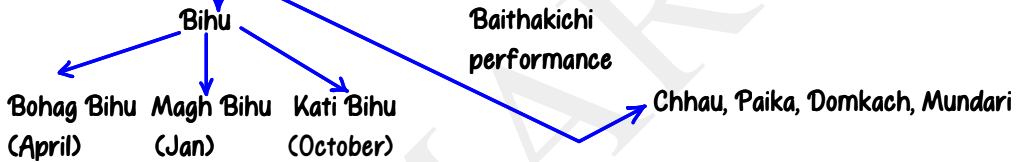
Manipur: Thang ta, Lai Haraoba, Pung Cholom

7.

Jamda folk dance is associated with which Indian state?

जामदा लोक नृत्य किस भारतीय राज्य से सम्बंधित है?

1. Maharashtra → Koli, Powada, Lezim, Lavani, Gafa, Mauni, Tamasha
2. Assam
3. Jharkhand
4. Manipur



8.

Which of the following pairs is INCORRECTLY matched?

निम्नलिखित में से कौन सा गलत जोड़ा सुमेलित है?

1. Bryophyta – Moss, **Marchantia, Cycads**
2. Gymnosperms – Pinus
3. Angiosperms – Rose
4. Pteridophyta – Cycas

1. बायोफाइटा - मॉस
2. जिम्नोस्पर्म - पाइनस
3. आंग्वोस्पर्म - गुलाब
4. टेरिडोफाइटा - साइक

1969: Whittaker → 5 Kingdom Classification

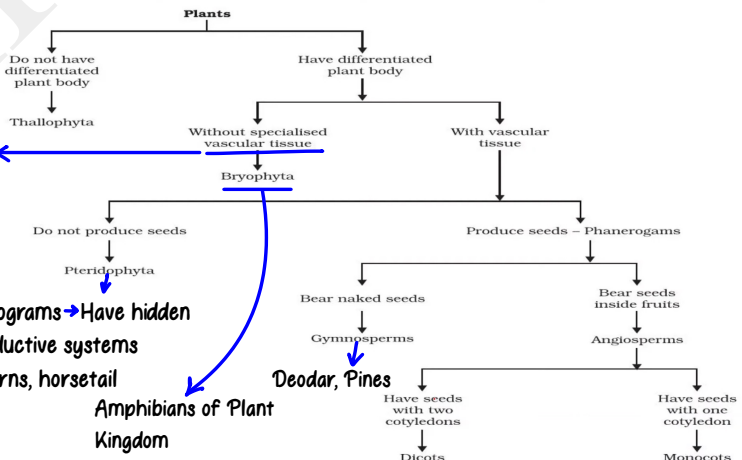
Simple Permanent Tissues

Xylem: transports water and minerals (one-way)

Phloem: transports food (two-way)

Cryptogams → Have hidden reproductive systems
ex: Ferns, horsetail

Amphibians of Plant Kingdom



9.

The capital of Vajji/Mahajanapada was _____.

वज्जि महाजनपद की राजधानी _____ थी।

- ✓ 1. Vaishali
- 2. Koshala
- 3. Pataliputra
- 4. Champa

16 Mahajanapadas



Mahajanapadas and Janapadas (c. 500 BCE)

Mentioned in Buddhist text: Digha Nikaya

Later Pataliputra

Most powerful

Dynasties which ruled in Magadha

- Haryanka
- Sishunaga
- Nanda
- Maurya

Sl. No.	Mahajanapadas	Capital	Modern location
1	Anga	Champa	Munger and Bhagalpur
2	Magadh	Girivraja / Rajagir	Gaya and Patna
3	Kasi	Kasi	Banaras
4	Vatsa	Kausambi	Allahabad
5	Kosala	Sravasti	Eastern Uttar Pradesh
6	Saurasena	Mathura	Mathura
7	Panchala	Ahichchatra and Kampilya	Western Uttar Pradesh
8	Kuru	Indraprastha	Merrut and S.E. Haryana
9	Matsya	Viratnagar	Jaipur
10	Chedi	Sothivati / Banda	Bundelkhanda
11	Avanti	Ujjain / Mahismati	Madhya Pradesh & Malwa
12	Gandhar	Taxila	Rawalpindi
13	Kamboj	Pooncha	Rajori & Hajra (Kashmir)
14	Asmaka	Pratisthan / Paithan	Bank of Godavari
15	Vajji	Vaishali	Vaishali
16	Malla	Kusinara	Deoria & U.P.



10. Match list I with list II. सूची I को सूची II से सुमेलित करें।

LIST I	LIST II
A) The Calcutta Madrassa	1. Warren Hastings
B) The Asiatic Society of Bengal	2. William Jones
C) The Sanskrit College at Banaras	3. Jonathan Duncan

A) कलकत्ता मद्रासा
B) बंगाल की एशियाटिक सोसायटी
C) बनारस में संस्कृत महाविद्यालय

1. वारन हेस्टिंग्स
2. विलियम जोन्स
3. जोनाथन डंकन

Which of the following option is correct? // निम्नलिखित में से कौन सा विकल्प सही है?

1. A-3, B-1, C-2
2. A-1, B-2, C-3
3. A-2, B-3, C-1
4. A-2, B-1, C-3

1784

1791 → Cornwallis was Governor General of India during this time

- **Hindu College**
 - **Calcutta:** by Raja Ram Mohan Roy with David Hare (1817)
 - **Banaras:** by Madam Mohan Malviya, Annie Besant
- **Fort William:** 1800; by Richard Wellesley

11. Match the following dams with the rivers they built upon. निम्नलिखित बांधों का उन नदियों से मिलान करें जिन पर उन्होंने निर्माण किया था।

Dams/बांध	River / नदी
1. Jajawa Dam	A. Kabini River
2. Rawishankar Dam	B. Tapi River
3. Ukai Dam	C. Narmada River
4. Banasura Sagar Dam	D. Mahanadi River

1. जोजावा बांध
2. रविशंकर बांध
3. उकाई बांध
4. बाणानुर सागर बांध

A. काबिनी नदी
B. तापी नदी
C. नर्मदा नदी
D. महानदी नदी

Which of the following option is correct? // निम्नलिखित में से कौन सा विकल्प सही है?

1. 1-D, 2-A, 3-C, 4-B
2. 1-B, 2-A, 3-D, 4-C
3. 1-C, 2-D, 3-B, 4-A
4. 1-B, 2-C, 3-D, 4-A

Also, Highest Gravity Dam

- Also known as Gangrel Dam
- In Chattisgarh

- **Largest Dam:** Bhakra Nangal (Himachal Pradesh) on Sutlej
- **Longest Dam:** Hirakud Dam (Odisha) on Mahanadi (26.75 km)
- **Highest Dam:** Tehri Dam (Uttarakhand) on Bhagirathi

- **Tilaiya and Maithon Dam:** Barakar river in Jharkhand
- **Meledatu Dam:** Kaveri river in Tamil Nadu

12. Rites pertaining to the stages of life are called samskaras. Match the Samskaras listed in List I with its true meaning mentioned in List II.

List - I	List - II
1. Nishkramanam	A. It is done at the beginning of the sacred thread ceremony
2. Chudakarmanam	B. The rite of the tonsure ceremony
3. Vidhyarambam	C. To begin with the life of study
4. Upanayanam	D. Taking the child out of the house so that it may see the sun

Which of the following option is correct?

1. 1-D, 2-B, 3-A, 4-C
2. 1-B, 2-A, 3-D, 4-C
3. 1-D, 2-A, 3-C, 4-B
4. 1-D, 2-A, 3-B, 4-C



13. As per the information available on November 2023, which of the following statements is correct about the Tea Industry in India?

- ✗ Statement 1: India is the largest producer of tea and second largest black tea producer globally.
- Statement 2: The Assam Valley and Cachar are the two tea-producing regions in Assam.
- Statement 3: The southern part of India produces about 17% of the country's total production.

Which of the following option is correct?

1. Only 1 and 2
2. 1, 2 and 3
- ✓ 3. Only 2 and 3
4. Only 1

- **Top producer of tea:** China
- **2nd:** India

- **Coffee bowl of India:** Karnataka
- **Coffee bowl of World:** Brazil

Coffee Varieties in India

- Arabica
- Robusta
- Liberica

14. In which year was the 1st winter edition of the Olympic Games organised?

ओलंपिक खेलों का पहला शीतकालीन संस्करण किस वर्ष आयोजित किया गया था?

- ✓ 1. 1924
- 2. 1922
- 3. 1920
- 4. 1926

1st Olympics

- **Summer:** 1896; Greece; **Youth:** 2010; Singapore
- **Winter:** 1924; Chamonix (France); **Youth:** 2012; Innsbruck (Austria)
- **1st Commonwealth Games:** 1930; Hamilton
- **Asian:** 1951; India → Again hosted in 1982
- **FIFA World Cup:** 1930; Uruguay (won by Uruguay)

} → 2 yrs gap between them

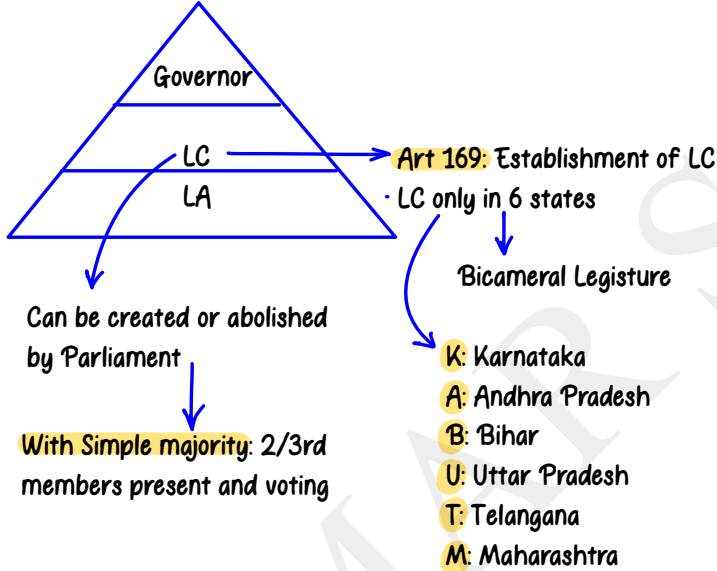
India: 2011



15.

Which of the following state has Legislative Council as of December 2023?
दिसंबर 2023 तक निम्नलिखित में से किस राज्य में विधान परिषद है?

1. Uttarakhand
- ✓ 2. Uttar Pradesh
3. Punjab
4. Goa



16.

In 1908, _____ and Prafulla Chaki threw a bomb at a carriage that was occupied, they believed, by Kingsford, the unpopular judge of Muzzafarpur.

1908 में, _____ और प्रफुल्ल चाकी ने एक गाड़ी पर बम फेंका, जिस पर उनका मानना था कि मुज़फ़्फ़रपुर के अलोकप्रिय न्यायाधीश किंग्सफोर्ड ने कब्जा कर लिया था।

Which of the following option is correct?
निम्नलिखित में से कौन सा विकल्प सही है?

1. Jaitnranath Bose
2. Rajguru
- ✓ 3. Khudiram Bose
4. Bhagat Singh

Hardinge Bomb Case: 1912

Ras Bihari Bose and Sachin Sanyal

1899: Mitra Mela (society) by Savarkar brothers

• **1904: the above merged with Abhinav Bharat Society**

• **1905: Shyamji Krishna Verma → Indian Home Rule Society**

The Sociologist (journal) → London



17. Which of the following statement is correct about Malavikagnimitra?

मालविकाग्निमित्र के बारे में निम्नलिखित में से कौन सा कथन सही है?

- I. It was compiled by Kalidasa.
 - II. It describes Agnimitra, son of Pushyamitra, as belonging to the Baimbika kula and the Baudhayana Sruta Sutra represents the Baimbikayah as Kashyapas.
- I. इसका संकलन कालिदास ने किया था।
II. इसमें पुष्यमित्र के पुत्र अग्निमित्र को बैंबिका कुल से संबंधित बताया गया है और बौधायन श्रुत सूत्र बैंबिकाय को कश्यप के रूप में दर्शाता है।

Which of the statements above is/are correct?

1. Only I
2. Neither I nor II
3. Only II
4. Both I and II

18. Delhi first became the capital of a kingdom under whom?

दिल्ली सबसे पहले किसके अधीन एक राज्य की राजधानी बनी?

1. Alauddin Khalji
 2. Chauhans
 3. Ghiyasuddin Balban
 4. Tomara Rajputs
1. अलाउद्दीन खिलजी
 2. चौहान
 3. गयासुद्दीन बलबन
 4. तोमर राजपूत

• Qutubuddin: Lahore Capital

↓
Iltutmish shifted it to Delhi

Delhi ↔ Daulatabad

↓
By Muhammad Bin Tuglaq

19. Which of the following indexes are used to calculate Human Development Index?

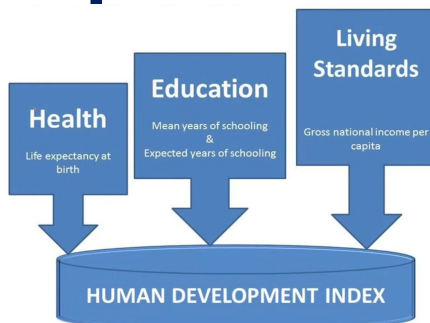
मानव विकास सूचकांक की गणना के लिए निम्नलिखित में से किस सूचकांक का उपयोग किया जाता है?

1. Life Expectancy Index
2. Education Index
3. NNI Index
1. जीवन प्रत्याशा सूचकांक
2. शिक्षा सूचकांक
3. एनएनआई सूचकांक

↓
By UNDP

Which of the following option is correct ?

1. Only 1 and 2
2. Only 3
3. Only 1 and 3
4. 1, 2 and 3





20.

Why is PC Mahalanobis' name talked about in the context of Five-Year Plans?

पंचवर्षीय योजनाओं के संदर्भ में पीसी महालनोबिस के नाम की चर्चा क्यों की जाती है?

1. He conceptualised the framework for the Second Five-Year Plan.
2. He was the finance minister during the First Five-Year Plan period.
3. He established the Institute of Economic Growth.
4. He was the chairman of the Planning Commission.

1. उन्होंने दूसरी पंचवर्षीय योजना की रूपरेखा की संकल्पना की।
2. वह प्रथम पंचवर्षीय योजना अवधि के दौरान वित्त मंत्री थे।
3. उन्होंने आर्थिक विकास संस्थान की स्थापना की।
4. वह योजना आयोग के अध्यक्ष थे।

Birth Anniversary: 29th June → Celebrated as Statistics Day

PARMAR SSC