



SSC GK

PYQs Class Notes

PART-3

Parmar Sir

Lecture:- 30

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1. Which of the following modern industries was in operation in India during the British rule?
- Cotton
 - Jute
 - Iron and Steel
- ब्रिटिश शासन के दौरान भारत में निम्नलिखित में से कौन सा आधुनिक उद्योग कार्यरत था?
- कपास
 - जूट
 - लोहा और इस्पात
1. Only a
2. Only c
✓ 3. All of a, b and c
4. Both a and b

Steel slag road section → NH 66 (connects Mumbai to Goa)

By-product obtained while making Steel

Alloy of Fe+Cr+Ni

- No min. age to become judge of SC
- Max. age: 65 yrs
- Max. age to become judge of HC: 62 yrs

2. Which Article of the Constitution of India mentions that law declared by Supreme Court is binding on all courts?
- भारत के संविधान के किस अनुच्छेद में यह उल्लेख है कि सर्वोच्च न्यायालय द्वारा घोषित कानून सभी न्यायालयों पर बाध्यकारी है?
- | | |
|------------------|-----------------|
| ✓ 1. Article 141 | 1. अनुच्छेद 141 |
| 2. Article 142 | 2. अनुच्छेद 142 |
| 3. Article 143 | 3. अनुच्छेद 143 |
| 4. Article 144 | 4. अनुच्छेद 144 |

An unique power of SC to do "complete justice" between the parties where the law may not provide a remedy

Part V; Chapter IV; Art 124-147

It advises all civil and judicial authorities to act in aid of SC

Art 143: Advisory Jurisdiction

- Presidents seek opinion of SC in two categories
On matter of public importance which has arisen, or which is likely to arise → Advice is not mandatory
- On any dispute arising out of any pre-constitution treaty, agreement, covenant, engagement, sanad, or other similar instruments

Advice is mandatory; however not binding on President

Art 131: SC has original jurisdiction in any dispute

- Between the Government of India, and one or more states
- Between the GOI and any state or state on one side and one or more other state on other
- Between two or more states, if and in so far as disputes involve any question on which the existence or extent of a legal right depends

Art 132, 133, 134

↓
Appellate Jurisdiction



3. When was VAT introduced in India?
भारत में वीट कब लागू किया गया था?

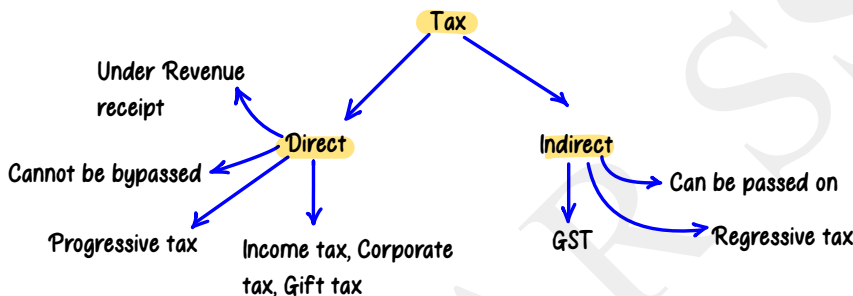
1. 2002
2. 2003
3. 2005
4. 2004

Replaced by GST on 1st July 2017

Replaced multiple indirect taxes in India existing under previous tax regime

GST Council is a Constitutional body → Article 279A

Chairman: Finance Minister



4. From the given alternatives, identify the element that exists in the gas form.

दिए गए विकल्पों में से उस तत्व की पहचान करें जो गैस के रूप में मौजूद है।

- | | |
|--------------|----------------|
| 1. Aluminium | 1. अल्युमीनियम |
| 2. Sodium | 2. सोडियम |
| 3. Fluorine | 3. फ्लोरीन |
| 4. Calcium | 4. कैल्शियम |

Z = 13 → In Valence shell: 2, 8, 3

Belongs to 3rd group

Valency

Belongs to Alkali Metals

1st group

Soft metals

Highly reactive (reacts with cold water) due to which it is kept in Kerosene oil

In valence shell: 2, 8, 1

Z = 11

Valency

Calcium

Z = 20

Z = 9

2, 7

Valency = 1

Belongs to

Halogen family

5. Aparajitprcha of _____ (12th century A.D.) describes nine types of rulers.

(12वीं शताब्दी ई.) के अपराजितप्रच्छ में नौ प्रकार के शासकों का वर्णन है।

- | | |
|------------------------|---------------------|
| 1. Nannayya Bhattaraka | 1. नन्नय्या भट्टारक |
| 2. Abhinavagupta | 2. अभिनवगुप्त |
| 3. Jayadeva | 3. जयदेव |
| 4. Bhuvanadeva | 4. भुवनदेव |

6.

In the early 1800s, who discovered that each chemical element is made up of a unique type of atom and that atoms differ by their mass?

1800 के दशक की शुरुआत में, किसने पता लगाया कि प्रत्येक रासायनिक तत्व एक अद्वितीय प्रकार के परमाणु से बना है और परमाणु अलग-अलग द्रव्यमान के अनुसार भिन्न होते हैं?

1. Antoine Lavoisier
2. Robert Boyle
3. John Dalton
4. Amedeo Avogadro

1802 → Atomic Theory

Father of Modern Chemistry

Gave Theory of Partial Pressure

He was 1st to use symbol of different chemical elements

Jacob Berzelius proposed chemical symbols

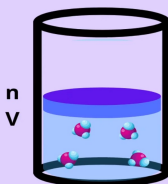


Avogadro's Law

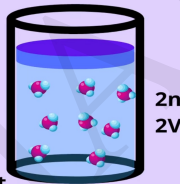
Equal volumes of a gas contain the same number of molecules at the same temperature and pressure.

$$V/n = k$$

$$V_1/n_1 = V_2/n_2$$



Doubling the number of molecules doubles the pressure.



P and T constant

Avogadro's no: 6.02×10^{23}

7.

Who is known as the 'Father of Modern Dance in India'?

'भारत में आधुनिक नृत्य के जनक' के रूप में किसे जाना जाता है?

1. Guru Bipin Singh
2. Gopi Krishna
3. Birju Maharaj
4. Uday Shankar



Brother of Pt. Ravi Shankar

8.

On 17 December 1928, Bhagat Singh, Azad and _____ assassinated Saunders, a police officer who was involved in the lathi-charge that has caused the death of Lalalajpat Rai.

17 दिसंबर 1928 को, भगत सिंह, आज़ाद और _____ ने साइंडर्स की हत्या कर दी, एक पुलिस अधिकारी जो लाठीचार्ज में शामिल था, जिसके कारण लाला लाजपत राय की मौत हुई थी।

1. Jogesh Chatterjee
2. Ramprasad Bismil
3. Sachindranath Sanyal
4. Rajguru

Protested against Simon Commission

9.

Which festival has the meaning 'to boil' or 'boiling' in its name?

किस त्योहार के नाम में 'उबालना' या 'उबालना' का अर्थ है?

- 1. Pongal
- 2. Bihu
- 3. Raja
- 4. Onam

• Attukal Pongal: Kerala

↳ Celebrated for Goddess Kannaki

10.

By which Constitutional Amendment was the voting age reduced from 21 years to 18 years?

किस संवैधानिक संशोधन द्वारा मतदान की आयु 21 वर्ष से घटाकर 18 वर्ष कर दी गई?

- 1. 61st
- 2. 69th
- 3. 58th
- 4. 52nd

In 1988

↳ Defection (10th Schedule added)

11.

The structure that produces and holds sperm cells in bryophytes (non-vascular plants) and ferns is called:

वह संरचना जो शार्पोफाइट्स (नैर-संवहनी पौधे) और फर्न में शुक्राणु कोशिकाओं का उत्पादन और धारण करती है, कहलाती है:

- | | |
|--|-------------------|
| <input type="checkbox"/> 1. megasporangia | 1. मेगास्पोरंगिया |
| <input checked="" type="checkbox"/> 2. antheridium | 2. एन्थेरिडियम |
| <input type="checkbox"/> 3. archegonium | 3. आर्केगोनियम |
| <input type="checkbox"/> 4. protonema | 4. प्रोटोनिमा |

↳ Female structure that produces egg cells

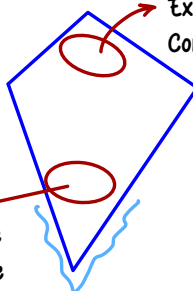
12.

Which of the following statement is correct regarding climate of Indian subcontinent?

भारतीय उपमहाद्वीप की जलवायु के संबंध में निम्नलिखित में से कौन सा कथन सही है?

- A. The climate of North India remains similar throughout the year
 - B. The Himalayas protect the subcontinent from extremely cold winds from central Asia.
- A. उत्तर भारत की जलवायु पूरे वर्ष एक समान रहती है।
 B. हिमालय उपमहाद्वीप को मध्य एशिया से आने वाली अत्यधिक ठंडी हवाओं से बचाता है।
- 1. Only Statement A is correct
 - 2. Both Statements A and B incorrect
 - 3. Only Statement B is correct
 - 4. Both Statements A and B correct

↳ Extreme climate due to Continentality effect



• Horse Latitude: 30°N and 30°S

↳ Moderate climate due to moderate influence of sea



13. Dr. Teejan Bai, a Padma Shri, Padma Bhushan and Padma Vibhushan awardee is globally recognised for her contribution to which of the following art forms?

पद्म श्री, पद्म भूषण और पद्म विभूषण से सम्मानित डॉ. तीजन बाई को निम्नलिखित में से किस कला रूप में उनके योगदान के लिए विश्व स्तर पर मान्यता प्राप्त है?

- | | |
|----------------|---------------|
| ✓ 1. Pandavani | 1. पंडवानी |
| 2. Raut Nacha. | 2. राजत नाचा. |
| 3. Jhiriti | 3. झिरिति |
| 4. Gendi | 4. गेंडी |

Chattisgarh

Flow of e^-

14. Which of the following is the correct match of the column-A with column-B?
निम्नलिखित में से कौन सा कॉलम-ए का कॉलम-बी के साथ सही मिलान है?

- | | |
|------------------------------|-----------------|
| Column-A (Physical Property) | Column-B (Unit) |
| i. Electric current | a. Tesla |
| ii. Voltage | b. Farad |
| iii. Capacitance | c. Ampere |
| iv. Magnetic field | d. Volt |

- ✓ 1. i-c, ii-d, iii-b, iv-a
2. i-d, ii-c, iii-b, iv-a
3. i-c, ii-d, iii-a, iv-b
4. i-c, ii-a, iii-b, iv-d

Scaler/Tensor quantity

• Electric current is measured by Ammeter/Galvanometer

• Current S.I unit: Ampere

Measures only
magnitude of
current

Measures both magnitude
and direction of current

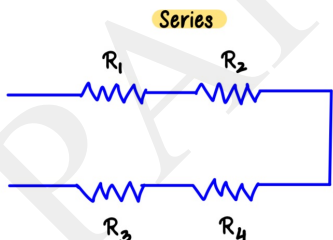
• Magnetic effect of electric current: H C Orsted

• Heating effect of electric current: James P Joule

Resistance of a System of Resistance

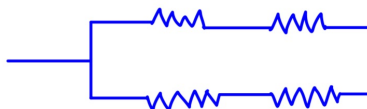
Types:

- Series
- Parallel



$$R_{eq} = R_1 + R_2 + R_3 + R_4$$

Parallel



$$\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

- Series: same current; different potential difference
- Parallel: same potential difference; different current

Potential Difference

The amount of work done in moving a unit positive charge from one point to other in an electric field

Potential difference

$$V = \frac{W}{q}$$

Work done to move the charge

Measured through: Voltmeter
S.I unit: Volt

1 volt: if one Joule of work is done in moving, one coulomb of charge
 $1V = \frac{1J}{1C}$



15. The Guru Kelucharan Mohapatra Yuva Pratibha Samman 2021 was presented to Arushi Mudgal for _____ dance.

गुरु के लुचरण महापात्र युवा प्रतिभा सम्मान 2021 अरुशी मुद्गल को _____ नृत्य के लिए प्रदान किया गया।

- | | |
|-----------------|----------------|
| 1. Mohiniyattam | 1. मोहिनीअट्टम |
| 2. Kuchipudi | 2. कुचिपुडी |
| 3. Kathak | 3. कैथक |
| 4. Odissi | 4. ओडिसी |

Exponents of Mohiniyattam

TRICK

Mohini Gopi K Kan Me Suna Jay Radha Krishna Ki

Amma

- Mohini — Mohiniyattam
- Gopi — Gopika Verma
- Kan — Kanak Rele
- Suna — Sunanda Nair
- Jay — Jayaprabha Menon
- Radha — Radha Dutta
- Krishna — Pallavi Krishnan
- Amma — Kalyanikutty Amma

↳ Founder of Keral Kalyanam, 1952

16. Which of the following was established by Jyotirao Govindrao Phule in 1873 to fight against idolatry and caste system?

मूर्तिपूजा और जाति व्यवस्था के खिलाफ लड़ने के लिए 1873 में ज्योतिराव गोविंदराव फुले द्वारा निम्नलिखित में से किसकी स्थापना की गई थी?

- 1. Young Bengal Movement
- 2. Satyashodhak Samaj
- 3. Shree Narayan Guru Dharma Paripalana (SNDP) Movement
- 4. Arya Samaj

↳ 1st setup in Bombay

- 1. युवा बंगाल आंदोलन
- 2. सत्यशोधक समाज
- 3. श्री नारायण गुरु धर्म परिपालन (एसएनडीपी) आंदोलन
- 4. आर्य समाज

↳ 1830 by Henry Louis Vivian Derozio

Then, Lahore

17. Atal Tunnel connects which two places?

अटल सुरंग किन दो स्थानों को जोड़ती है?

- 1. Manali and Lahaul-Spiti valley
- 2. Shimla and Nainital
- 3. Manali and Nainital
- 4. Shimla and Mansoori

9.02 km

- 1. मनाली और लाहौल-स्पीति घाटी
- 2. शिमला और नैनीताल
- 3. मनाली और नैनीताल
- 4. शिमला और मंसूरी

In Rohtang Pass

Connects Kullu to Lahaul

Connects Srinagar to Gilgit, Pakistan

Connects Srinagar to Leh

Major Mountain Passes in India

Uttarakhand passes

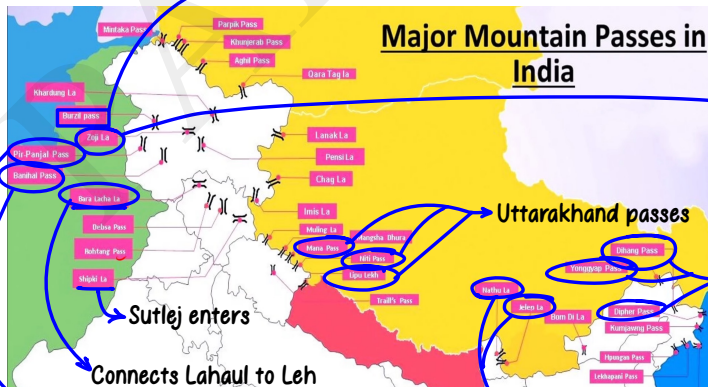
Arunachal

Sutlej enters

Connects Lahaul to Leh

Connects Jammu and Srinagar

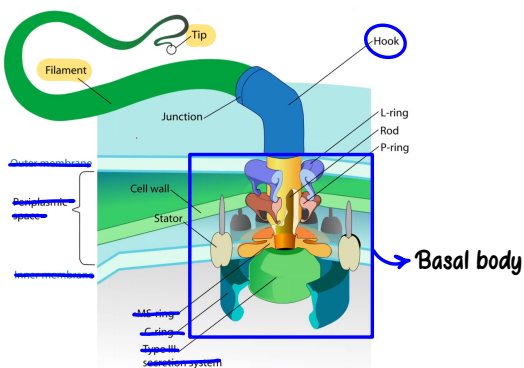
Sikkim



18. What is the full form of PPLPO with respect to bacteria?
 बैक्टीरिया के संबंध में पीप्लेटजों का पूर्ण रूप क्या है?

1. Pleuro Platelet Like Organisms
2. Platelet Prone Like Organisms
- ✓ 3. Pleuro Pneumonia Like Organisms
4. Pneumonia Platelet Like Organisms

- Cell wall made of peptidoglycan
- Cell wall is covered with glycocalyx
- Prokaryotic cell



19. Sao Joao festival is celebrated primarily by the Catholic Christians in which of the following Indian states?

सांजो जोआओ उत्सव मुख्य रूप से कैथोलिक ईसाइयों द्वारा निम्नलिखित में से किस भारतीय राज्य में मनाया जाता है?

- | | |
|-------------|-------------|
| ✓ 1. Goa | 1. गोवा |
| 2. Assam | 2. असम |
| 3. Manipur | 3. मणिपुर |
| 4. Nagaland | 4. नागालैंड |

Festivals of GOA



- 3 Kings went to God's St. Francis Xavier Church took some Grapes lekin Car Nhi mili & Sunburn ho gaya isilte said Let's Go

TRICK

FESTIVALS

- | | | |
|---------------------------------|-------|---------------------------|
| • Shigma | _____ | Let's Go |
| • Sao Jao | _____ | |
| • Sunburn | _____ | Sunburn ho gaya |
| • Carnival | _____ | Car Nhi mili |
| • Feast of Saint Francis Xavier | _____ | St. Francis Xavier Church |
| • Grape Escapade | _____ | took some Grapes lekin |
| • Bonderam | _____ | Bore ho gye |
| • Three Kings | _____ | 3 Kings went to God's |



20. Moatsu festival of Nagaland is celebrated by which of the following tribes?

नागालैंड का मोत्सु त्योहार निम्नलिखित में से किस जनजाति द्वारा मनाया जाता है?

- | | |
|----------------|-----------------|
| 1. Bodo tribe | 1. बोडो जनजाति |
| 2. Munda tribe | 2. मुंडा जनजाति |
| 3. Phil tribe | 3. फील जनजाति |
| ✓ 4. Ao tribe | 4. आओ जनजाति |

Festivals of Nagaland



FESTIVALS

- Hornbill → 10 day festival
 - Sekrenyi-Angami Tribe → 1-10 Dec
 - Moatsu-Ao Tribe
 - Aoleang
- Maotsii

• Mim Kut → Celebrated by Naga Kukis

CA. What is India's rank in Henley Passport index 2024 ?

1. 83
2. 82
3. 81
- ✓ 4. 80

Total 6 countries on top:

- Japan
- France
- Germany
- Italy
- Spain
- Singapore

CA. Who has received FIFA Best Player of the Year (Women)?

1. Sue Redferrn
2. Lily Gladstone
- ✓ 3. Altana Bonmati
4. Noarem Roshibina

1st neutral female empire by ICC

From Manipur, Wushu Athlete of the year

Has won Golden Globe Award in female category in Drama

Golden Globe Award

• Cillian Murphy: best male category

For Oppenheimer movie

For Best director: Christopher Nolan