



# SSC GK

## PYQs Class Notes

### PART-4

### Parmar Sir

### Lecture:- 28

✓ For Notes Join Telegram :



Click on the icon.

OR  
Scan



✓ For Lectures Subscribe Our Parmar SSC Youtube Channel



Click on the icon.

OR  
Scan





# PARMAR SSC MAGAZINES...



**Stay ahead in your exam preparation with the best creative magazine for SSC. Download the latest issue of our current affairs magazine here and master the current affairs section effortlessly :)**

# LECTURE-28

1

What Article of the Indian Constitution provides that the State Governor has the authority to reserve a bill for the consideration of the President?

भारतीय संविधान का कौन सा अनुच्छेद यह प्रावधान करता है कि राज्य के राज्यपाल को किसी विधेयक को राष्ट्रपति के विचारार्थ आरक्षित रखने का अधिकार है?

1. Article 181
2. Article 200
3. Article 190
4. Article 267

- **Art III** - provisions for the President's assent to bills.

- **Bill (centre)**

LS → RS → President

- **Bill (State)**

LA → LC → Governor

can either give assent or use veto

additional power to reserve the bill for President

- **42<sup>nd</sup> CA** - President is bound to give assent to the bill

- **44<sup>th</sup> CA** - President can return bill the first time but have to give assent in the second time

- **Art 190** - absent for 60 days without permission of the house, his/her seat may be declared vacant / disqualification  
No person shall be member of both Houses at the same time

- **Art 181** - Speaker / D. Speaker not to preside when their re-moval procedure is ongoing. | They can vote but do not have the casting vote

- **Art 267** Contingency fund of India — (President)

- **Art 266** Consolidated fund of India — (Parliament)





2

As of December 2022, the 'Kalidas Samman' award is given in the field of art by the government of which Indian state?

दिसंबर 2022 तक, किस भारतीय राज्य सरकार द्वारा कला के क्षेत्र में 'कालिदास सम्मान' पुरस्कार दिया जाता है?

1. Rajasthan
2. Madhya Pradesh
3. Telangana
4. Tamil Nadu

1st- 1980 (To- Srinivasa Iyer + Mansur)

4 Fields- Classical Dance, Classical Music, Theatre, Plastic Arts

2022- P. Venkatesh Kumar



3

What is the size of a standard table tennis ball?

एक मानक टेबल टेनिस गेंद का आकार क्या है?

1. 41 mm
2. 39 mm
3. 40 mm
4. 42 mm

Ping-Pong



Ball weight- 2.7gm (white usually / Orange)  
Table Height- 2.5 feet (76cm)  
Net Height- 6 inches | Width- 6 feet

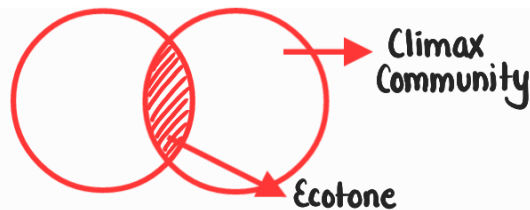
4

Which of the following organisms can initiate ecological succession even in bare rocks? — Primary Succession

निम्नलिखित में से कौन सा जीव नंगे चट्टानों में भी पारिस्थितिक अनुक्रम आरंभ कर सकता है?

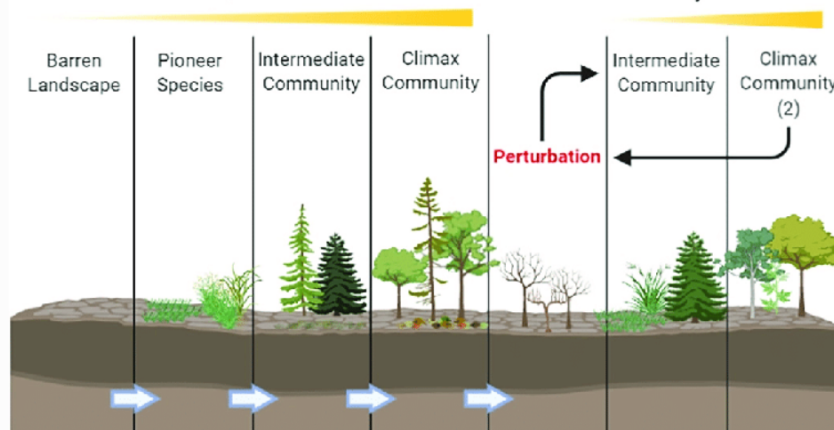
1. Orchids
2. Aspergillums
3. Lily
4. Lichens

Phylum- Thallophyta | Litmus paper  
Symbiotic relationship b/w Fungus and Algae



Primary Succession

Secondary Succession



Algae — Chlorophyceae (Green) — Cladophora, Spirogyra  
Phaeophyceae (Brown) — Sargassum, Kelp, Laminaria  
Rhodophyceae (Red) — Edible



5

law of partial pressure

2,8,5 Valency - +3e

According to Dalton, which of the following represents the Phosphorus element?  
डाल्टन के अनुसार, निम्नलिखित में से कौन फॉस्फोरस तत्व का प्रतिनिधित्व करता है?



1. b
2. a
3. c
4. d

Jons Jacob Berzelius first gave symbols and Dalton first used them



1e <sup>-</sup>	Atomic no-16			
Atomic mass-32				
Hydrogen	Carbon	Oxygen		
Phosphorus	Sulphur	Iron		
Copper	Lead	Silver		
Gold - Au	Platina	Mercury		

after the name-Cyprus (country)

Symbols proposed by Dalton

Tin-Sn

Tungsten-W

Used in filament of bulb  
high melting point

2,8,6 → +2e<sup>-</sup>

6

What do the words 'aus', 'aman' and 'boro' signify in the context of agricultural calendar in India?

भारत में कृषि कैलेंडर के संदर्भ में 'औस', 'अमन' और 'बोरो' शब्द क्या दर्शाते हैं?

1. Types of harvest festivals in Assam — Rongker (Karbi Tribe) | Ambubachi Festival (Kamakhya Devi Temple)
2. Types of traditional wells in Gujarat
3. Types of seasons of sowing rice in West Bengal
4. Types of alluvial soils in the Gangetic plains

Known as Khadin (Rainwater harvesting)

Johad - Rajasthan | Kuhl - Himachal Pradesh



7

Fighting in the upright position in judo is called \_\_\_\_\_.

जूडो में सीधे खड़े होकर लड़ने को \_\_\_\_\_ कहा जाता है।

1. koshi-waza
2. ashi-waza
3. ne-waza
4. tachi-waza

Tulika Maan - represented India in Paris Olympics (Judo)

Basketball - 'Swish' term

8

Which famous book was written by 'Haripala'? — Chalukya ruler

1. Sangeet Darpan
  2. Sangeeta Sudhakara
  3. Gita Govinda — Jaydeva
  4. Sangeet Ratnakara — Sarngadeva
- in Sanskrit

9

Which of the following causes enlargement and extension growth of cells?

निम्नलिखित में से कौन कोशिका

1. Pressure potential
2. Imbibition
3. Turgor pressure
4. Osmotic pressure

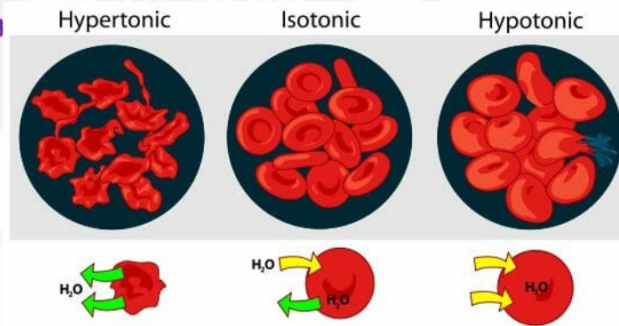
through semi-permeable membrane

Osmosis

High Concentration (water)  $\longrightarrow$  Low Concentration (water)  
Water molecule from an area of low solute concentration (or high water concentration) to an area of high solute concentration (or low water concentration)

Active Transport / Reverse Osmosis - Eg- RO purifier at home

Low Concentration (water)  $\longrightarrow$  High Concentration (water)



10

Which of the following enzymes are essential of DNA replication in an animal cell?

in both Eukaryotic & prokaryotic cells

Avoids supercoiling

1. Topoisomerase, DNA ligase, DNA polymerase, DNA primase
2. Reverse transcriptase, DNA polymerase, Ligase
3. Reverse transcriptase, DNA polymerase, DNA primase
4. Reverse transcriptase, RNA polymerase, Ligase

initiate DNA replication (new strands)

Helicase - Unwinding enzyme

Reverse Transcriptase - process of creating complimentary strand of DNA based on RNA

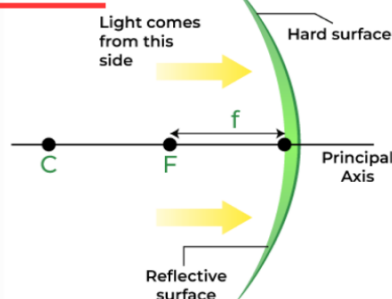
11

In 1835, who developed the process of applying a thin layer of metallic silver to one side of a clear glass pane and created the first mirror?

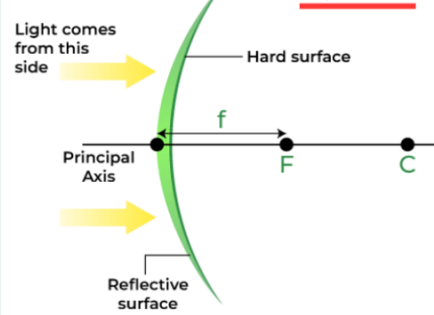
1. CV Raman
2. Victor Francis Hess
3. CH Townes
4. Justus von Liebig

Here, F = Focal Point ; C = Center of Curvature ;  
f = Focal Length ; P = Pole

Concave



Convex





- **Convex mirror** - Rear view, security mirror
- **Concave mirror** - Dentist's mirror, solar blast furnace

12

The phenomenon of the interaction between non allelic genes at two or more loci resulting in one gene masking the phenotypic expression of another gene, is known

दो या अधिक स्थानों पर गैर-एलीलिक जीनों के बीच परस्पर क्रिया की घटना जिस परिणामस्वरूप एक जीन दूसरे जीन की फेनोटाइपिक अभिव्यक्ति को छुपा देता है, उसे इस रूप जाना जाता है:

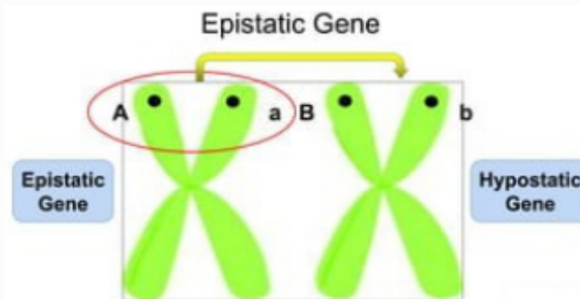
1. incomplete inheritance
2. epistasis
3. linkage
4. complete inheritance

different location

**Allelic gene** - Same location

**'Gene' term** - Wilhem Johannsen (1909)

- **Johann Gregor Mendel** - Father of Genetics
- experiments on pea plant (pisum sativum)



13

Which of the following is a style of Carnatic music?

निम्नलिखित में से कौन कर्नाटक संगीत की एक शैली है?

1. Svarajati
2. Chaturang
3. Dhamar
4. Dhruvad

> Agra

Trinity



Tyagaraja

T



Muthuswami Dikshitar

D



Syama Sastri

S

- **Styles**

Geeetam, Suladi, Jatisvaram (Bharatnatyam), Kirtanam, Svarajati, kirti, Pallavi, Varnam, Raag

14

The Howrah bridge was officially opened in the year \_\_\_\_\_ .

1. 1935
2. 1930
3. 1943
4. 1948





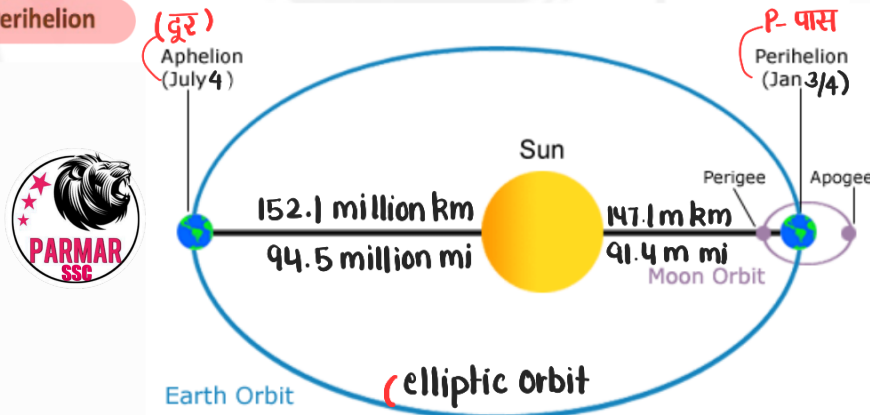
15

What is the position called when Earth reaches closest to Sun while orbiting it ?

वह स्थिति क्या कहलाती है जब पृथ्वी सूर्य की परिक्रमा करते हुए उसके सबसे निकट पहुँचती है?

1. Apogee
2. Perigee
3. Aphelion
4. Perihelion

**Heliocentric Theory** - Planets move around a fixed Sun  
**Mons Huygens** - Highest point of moon

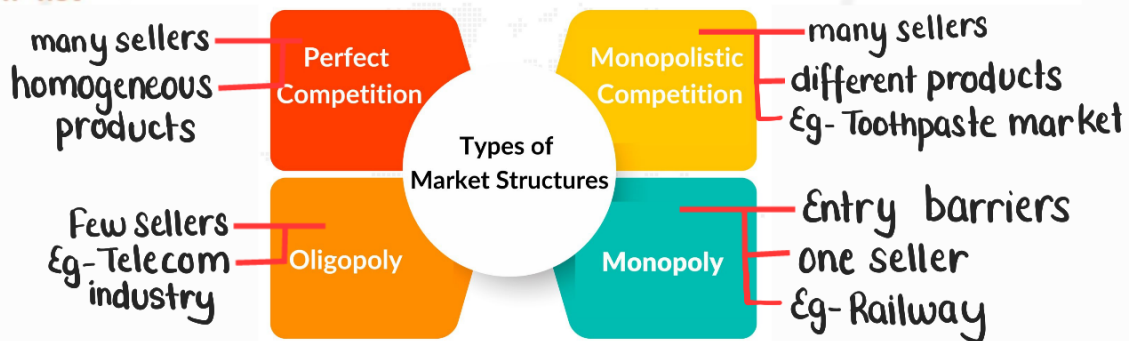


16

Competitive behaviour and competitive market structure are \_\_\_\_\_ related.

प्रतिस्पर्धी व्यवहार और प्रतिस्पर्धी बाजार संरचना \_\_\_\_\_ से संबंधित हैं।

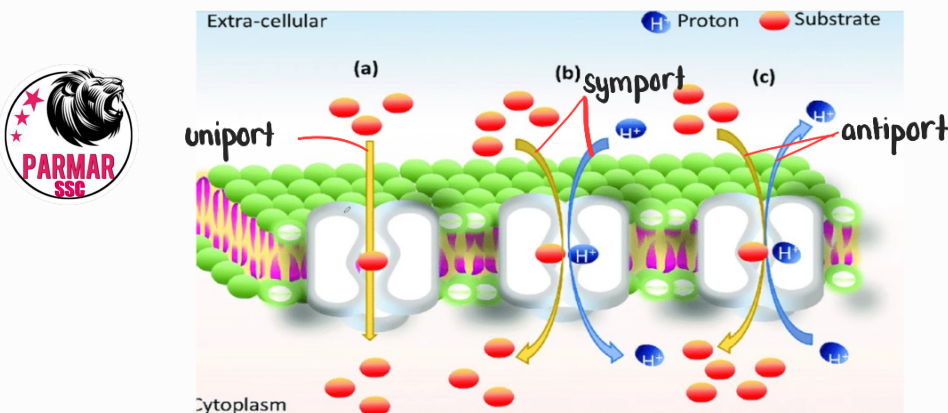
1. directly
2. inversely
3. proportionately
4. not



17

In a symport:

1. both molecules cross the membrane in the same direction
2. a molecule moves across a membrane independent of other molecules
3. a molecule moves across a membrane dependent of other molecules
4. both molecules cross the membrane in the opposite direction



18

The Press and Registration of Books (PRB) Act was enacted in which year?

प्रेस एवं पुस्तक पंजीकरण (पीआरबी) अधिनियम किस वर्ष लागू किया गया था?

1. 1867
2. 1887
3. 1857
4. 1877

Liberator of Indian Press - Metcalfe

daughter of N. Rajam

19

Sangeeta Shankar was awarded Sangeet Natak Akademi Award 2021 for her contribution in playing which musical instrument?

संगीता शंकर को किस संगीत वाद्ययंत्र बजाने में उनके योगदान के लिए संगीत नाटक अकादमी पुरस्कार 2021 से सम्मानित किया गया?

1. Flute — N Ramani, Ronu Mazumdar
2. Santoor — Shivkumar Sharma, Rahul Sharma
3. Violin
4. Veena

N. Rajam V G. Jog (Maihar Gharana)

20

In which year did Indian archers participate in the Olympics for the first time?

भारतीय तीरंदाजों ने पहली बार किस वर्ष ओलंपिक में भाग लिया?

1. 1975
2. 1980
3. 1988
4. 1973

Krishna Das - 1st Archer to receive Arjun Award

1st time - 1961

21

Air transport was launched in India in the year 1911 between which two places?

भारत में वर्ष 1911 में किन दो स्थानों के बीच हवाई परिवहन शुरू किया गया था?

1. Allahabad and Naini
2. Allahabad and Jaipur
3. Allahabad and Kanpur
4. Allahabad and Delhi

1862 - 1st High Court established in India (Calcutta HC)  
Later in Bombay and Madras



22

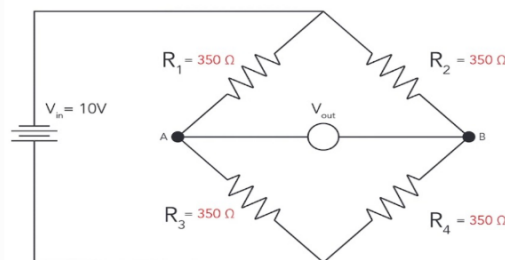
Wheatstone bridge is an arrangement of \_\_\_\_\_ resistors used for accurate measurement of resistance.

1. three
2. six
3. five
4. four

- Ohm's Law (in 1827)

$$V \propto I \Rightarrow V = IR$$

Balanced Wheatstone Bridge



Resistance

SI unit -  $\Omega$

Specific Resistance -  $\Omega m$

$R \propto \frac{l}{a}$  - length

a - Area of cross-section

$$R = \rho \frac{l}{a}; \rho = \text{resistivity}$$

$$Q = IT$$

Q = Charge in Coulomb | T = Time

I = Current in Ampere | Coulomb / second

opposite - conductance (siemens)

Ammeter - only magnitude  
Galvanometer - magnitude and direction



23

In which of the following languages did Amoghavarsha write Kavirajamarga?

अमोघवर्ष ने निम्नलिखित में से किस भाषा में कविराजमार्ग लिखा?

1. Tamil
2. Sanskrit
3. Kannada
4. Telugu

1. तमिल
2. संस्कृत
3. कन्नड़
4. तेलुगु

Rashtrakuta  
Dynasty



Amuktamalyada (By KDR) – Statecraft

Uttaramerur inscription – situated in Kanchipuram, TN  
associated with Parantaka dynasty

24

Which of the following pair of human disease – microorganism – mode of transmission is correct?

निम्नलिखित में से मानव रोग-सूक्ष्मजीव-संचरण का कौन सा युग्म सही है?

I. Tuberculosis – Virus – Air

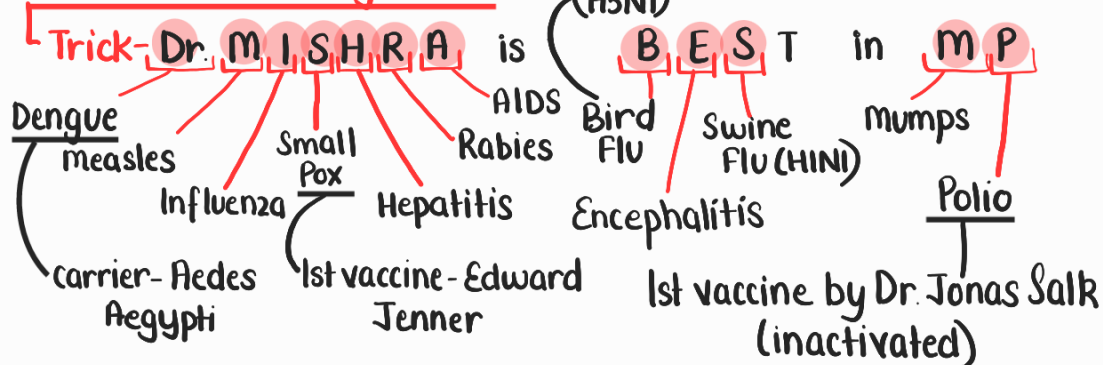
II. Chicken Pox – Virus – Water/Food

Virus – Semi-living

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

Mycobacterium (affects lungs) – white plague – Vaccine – BCG  
Bacillus Calmette Guerin

Diseases caused By Virus:-



Havisure – (India) Vaccine for Hepatitis (affects liver)  
Cervical Cancer – caused by Human Papillomavirus (HPV)

25

Who gave the philosophy of Dvaitvada ? – Theory of Dualism

- a) Adi Shankaracharya – Non-Dualism (Advaita philosophy)
- b) Ramanujacharya – Vishistaadvaita (special dualism)
- c) Nimbark Acharya – Dvaitaadvaita (Bhedabhed)
- d) Madhava Acharya

Q

A FIBA sanctioned game of basketball typically consists of \_\_\_\_\_.

1. 4 quarters of 15 minutes each
2. 2 halves of 30 minutes each
3. 4 quarters of 10 minutes each
4. 2 halves of 25 minutes each

