



SSC GK

PYQs Class Notes

PART-2

Parmar Sir

Lecture:- 19

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Lecture - 19

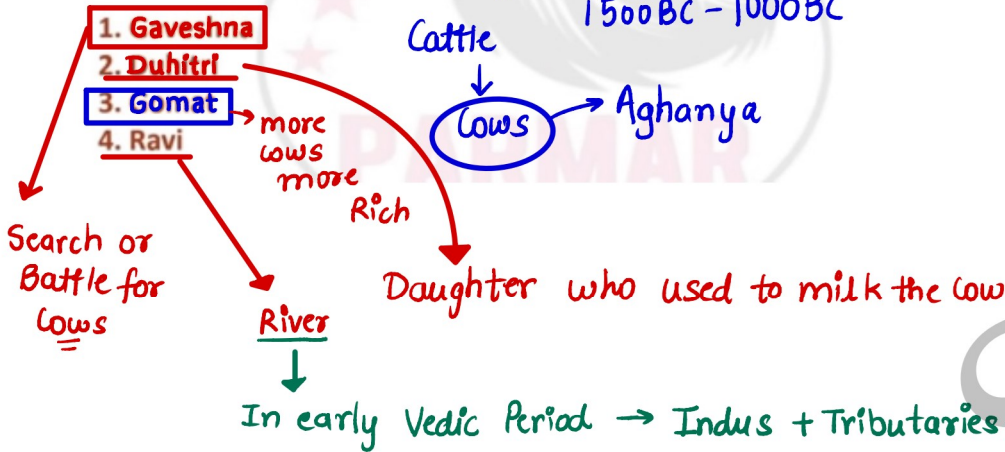


A wealthy person in the early Vedic period was known as ____.

प्रारंभिक वैदिक काल में एक धनी व्यक्ति को ____ के नाम से जाना जाता था।

Ancient Names :

Indus - Sindhu
Jhelum - Vitasta
Chenab - Askini
Rabi - Purushni
Byas - Bipasa
Satluj - Sutudri



→ Tribal Polity

→ Kingship was Hereditary

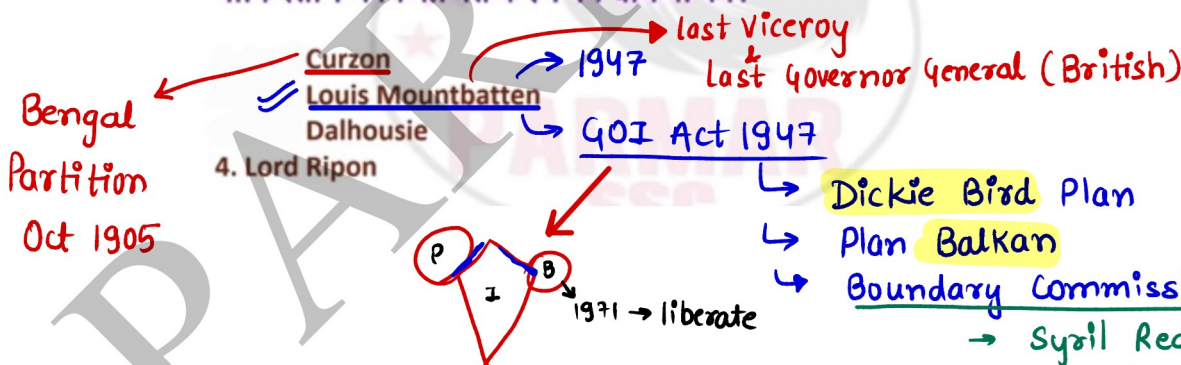
→ Sabha - Select body of elders
Samiti - Assembly
Common people

Advise king in Administrative Matters

_____ announced the bifurcation of the British Indian Empire into a secular India and Islamic Pakistan.

ने ब्रिटिश भारतीय साम्राज्य को एक धर्मनिरपेक्ष भारत और इस्लामी पाकिस्तान में विभाजित करने की घोषणा की।

Ist & Last Indian Gov. Gen. of India
↓
C. Rajgopalachari



→ Lord Ripon :

→ Father of local Self Government.

→ Hunter commission → Education

→ Ilbert Bill Controversy

→ Ist Synchronized Census → 1881

→ Ist census
↓
1872

(1848-56)

Dalhousie → Doctrine of lapse → Satara (1st)

→ 1854 woods Dispatch → Magna Carta of Indian Education.

→ 1853 - Bombay to Thane → Train Service

→ Postal Service



3.

Which Vitamin D analogue is used to treat hypoparathyroidism, refractory rickets and familial hypophosphatemia?

Bone health

रिकेट्स और पारिवारिक हाइपोफोस्फेटेमिया के एनालॉग का उपयोग किया जाता है?

- ✗ Retinol → Vitamin A
- ✗ Ergocalciferol
- 3. Tacalcitol
- ✗ Tocopherol → Vitamin E

Osteomalacia

Soft bones

Osteoporosis

Weak bones

Sources → Sunlight & Fish oil

Vitamins:

1912

- Discovered by Casimir Funk.
- Water Soluble → B, C
- Fat Soluble → K, E, D, A

Mango, Carrot

Sprouts

Macro Nutrients

Carb
Fat
protein

Other Micro

Plants

N, P, K, Ca, Mg,
S, H, C, Fe, Zn

Citrus fruits

S.No	Vitamin	Chemical Name
1	vitamin A	Retinol / Night Blindness / Xerophthalmia
2	vitamin D	Calciferol
3	vitamin E ^{cell division}	Tocopherol / Sterility
4	Vitamin K ^{Zn}	Phylloquinone / Blood clotting stops
5	vitamin B1	Thiamine
6	vitamin B2	Riboflavin
7	vitamin B3	Niacin
8	vitamin B5	Pantothenic acid
9	vitamin B6	pyridoxine
10	vitamin B7	Biotin → Vitamin H
11	vitamin B9	Folic acid
12	vitamin B12	Cyanocobalamin
13	vitamin C	Ascorbic Acid

Memory link

B1 THOR B2

B3 Ne

apni

PANT B5

PR B6

B7 BIOdata

B9 jame Foster

Ka → Cya B12

4.

Who among the following performing artists bagged the best actress award for Meena Gurjari in 1975?

निम्नलिखित प्रदर्शन करने वाले कलाकारों में से किसने 1975 में मीना गुर्जरी के लिए सर्वश्रेष्ठ अभिनेत्री का पुरस्कार जीता?

Minalini
Sarabhai

Kathakali + Bharat-nattyam.

1. Sonal Masingh

2. Mallika Sarabhai

3. Shovana Narayana

4. Sitara Devi

BN + Oddisi

Bharatnattyam + Kuchipudi

Yamini

Krishnamurti

Kathak

5.

From which Latin word is the s block element calcium derived?

एस ब्लॉक तत्व कैल्शियम किस लैटिन शब्द से लिया गया है?

1. Calcio

2. Coleus

3. Calum

4. Calx

(1817) Doberner → Law of Triads.

Newland (1865) → Law of Octaves.
→ Musical Note

Mendeleev → Father of Modern Periodic Table.

(1869) → Noble Gases were fitted without change.

→ Periodic table was based on Atomic Mass.

Henry Moseley (1913)

→ Chemical properties of elements are a periodic function of Atomic Number.

→ Current Modern Periodic table.

Metals
s-block?

H	He
Li	Be
Na	Mg
K	Ca
Rb	Sr
Cs	Ba *
Fr	Ra *

Transition Elements
d-block?

Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn
Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd
Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg
Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	

p-block?

B	C	N	O	F	Ne
Al	Si	P	S	Cl	Ar
Ga	Ge	As	Se	Br	Kr
In	Sn	Sb	Te	I	Xe
Tl	Pb	Bi	Po	At	Rn

Inner Transition Elements
f-block?

58-71

*	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb
*	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No

89-103

Mendelevium → 101
Seaborgium → 106

6.

Urmila Satyanarayanan is an exponent of which Indian classical dance form?

Vedantam Satyanarayan → Kuchipudi

उर्मिला सत्यनारायणन किस भारतीय शास्त्रीय नृत्य शैली की प्रतिपादक हैं?

1. Bharatanatyam

2. Manipuri → Jagoi & Chalom → Meiti tribe

3. Sattriya

4. Kathak

→ Jhaveri Sisters

→ Guru → Guru Bipin Singh → Hanjawa

→ Vaishnavide → Manipuri Raas Leela

→ Charu Mathur & Devyani Chalia

(Title by King of Manipur)

Sattriya:-

→ Assam

→ Vaishnavide form

→ Guru Shankardev

→ Terms → "Bhaona & Ankiya Nat"

→ Exponents → Jatin Goswami & Bhupen Hazarika

→ BR

During which period did Qutubuddin Aibak rule?

कुतुबुद्दीन ऐबक ने किस काल में शासन किया था?

1. 1206-1210

2. 1320-1324

3. 1290-1296

4. 1266-1287

1206 → Slave Dynasty ①

→ Quwat ul Islam

→ Qutub Minar → started by Aibak.

laterley completed by Iltutmish.

Renovated by Feroz Shah Tuglaq.

→ Adhai Din Ka Jhopda → Ajmer

Iltutmish → (1211-1236)

→ Turkman-e-chahalgani

→ Silver-Tanka

Copper-Jital

Also by MBT

Razia Sultan :-
(1236-40)

→ First and only Female Ruler of Delhi Sultamate.

Balban → (1265-1287)

② Khilji → 1291-1320

④ Sayyid → 1414-1450

③ Tuglaq → 1320-1413

⑤ Lodi → 1451-1526

7.

8.

The suitability of post tensioning is good for:

पोस्ट टेंशनिंग की उपयुक्तता इसके लिए अच्छी है:

1. break spans
2. end spans
- ~~3. long spans~~
4. edge spans

1. ब्रेक स्पैन
2. अंत विस्तार
3. लंबे स्पैन
4. किनारे का विस्तार



9.

Which of the following groups of states recorded very high population growth rate during 2001-2011 Census of India?

भारत की 2001-2011 की जनगणना के दौरान राज्यों के निम्नलिखित समूहों में से किस समूह ने बहुत अधिक जनसंख्या वृद्धि दर दर्ज की?

→ 27.8%

1. Meghalaya, Arunachal Pradesh, Bihar
2. Bihar, Haryana, Meghalaya
3. Bihar, Rajasthan, Sikkim
4. West Bengal, Meghalaya, Bihar

Lowest

↓
Nagaland
(-0.5%)

Overall decadal growth Rate of India
⇒ 17.7%

→ Highest decadal growth Rate (Decade) → 1971-1981

→ Year of great divide → 1921

2011 Census → Motto → Our Census, Our Future

→ Father of Indian Census - Henry Walter

→ Ist Census Commissioner - WC Plowden
↳ 1881

Population density → India → 382/sq km

↳ Highest → Bihar → 1106/sq km

↳ Lowest → Arunachal Pradesh → 17/sq km

Which among the following represents the correct limit of Marginal Propensity to consume?

निम्नलिखित में से कौन उपभोग करने की सीमांत प्रवृत्ति की सही सीमा को दर्शाता है?

$$MPC = \frac{\Delta C}{\Delta Y}$$

↓
(C) then Govt. multiplier
↓
 $\frac{1}{1-c}$

~~1. $0 < MPC < 1$~~

~~2. $0 < MPC < \infty$~~

~~3. $-1 < MPC < 1$~~

~~4. $-1 < MPC < 0$~~

PARMAR

10.

11.

Which of the following dances is performed by the Santhal tribe of Jharkhand?

निम्नलिखित में से कौन सा नृत्य झारखंड की संथाल जनजाति द्वारा किया जाता है?

1. Koli → Maharashtra
2. Jhika Dasain → Jharkhand
3. Kolkali → Kerala
4. Ghumar → Rajasthan

Kalbelia

→ Gulabo Sapera
→ Snake tribe

by % → Mizoram
Tribal population → MP > CH > Odisha

NO STIS → Punjab/Haryana

Most SC population → UP

Biggest Tribal group → Bhl.

Santhal Rebellion 1855

Dropadi Murre

Siddhu & Kumhu

12.

Which of the following Acts was introduced to regulate Foreign Exchange in India in 1973?

Recovery → Bad Banks

Bad loans

Collateral → Sell without any trials

- (2002) → SARFAESI → Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act.
- (1999) → 2. FEMA → Foreign Exchange Management Act
- (1973) → 4. FERA → Foreign Exchange Regulation Act

NOSTRO - Our money in your bank

(India का Acc किसी और देश में)

NOSTRO - your money in our bank

(किसी और देश का India में)

2003 FRBM - Fiscal Responsibility and Budget Management Act

→ Fiscal Deficit = Total Expenditure - (Total Receipt)

- Debt creating Capital Receipt

□ - (□ - □^{loans})

Primary deficit = F.D - Interest Payment

Revenue Deficit → RE - RR

130

What are the main energy sources for earth's internal heat engine?



पृथ्वी के आंतरिक ताप इंजन के लिए मुख्य ऊर्जा स्रोत क्या हैं?

1. Heat from volcanoes and solar heat
2. Radiogenic heat and oceanic tide heat
3. Radiogenic heat and primordial heat
4. Solar heat and oceanic tide heat

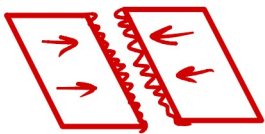
Plates → Lithosphere → All Natural Earthquakes occur in lithosphere.

Minor → Arabian, Nazca, Phillipine etc.

major → Continent or ocean name Based
Pacific, Atlantic, Indo-Australian,
African, North-American, South-American,
Asian, Eurasian.

movement

①



- Convergent
- Destructive
- Crust Destroy

②



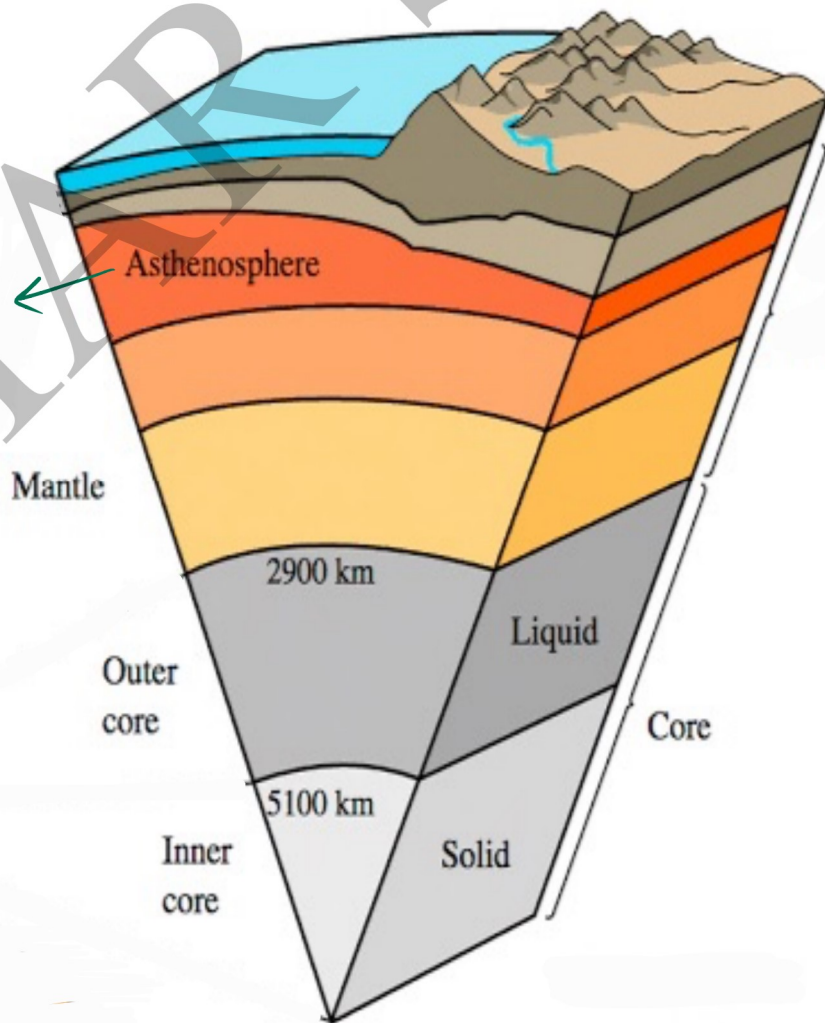
- Divergent
- Constructive
- New Crust

③



→ Transform

→ Crust neither Created
nor destroyed



Evolution of Atmosphere → 03 step

- loss of primordial Atmosphere (H_2 , He)
↳ by solar flares
- Outgassing of gases → degassing
- Photosynthesis.

14.

Which of the following Constellation is also called as the Hunter ?



निम्नलिखित में से किस तारामंडल को हंटर भी कहा जाता है ?

1. Cassiopelia
2. Leo Major
3. Ursa Major
4. Orion

→ Saptarishi

Moon → 27.3 days

g → $\frac{1}{6}$

Revolution

→ largest constellation

→ Brightest Star

→ Hydra

→ Rigel

Closest Star → Sun ① → 8 min 20 sec.

② Proxima Centauri

Weight = $m \times g$

Varies with (g)

Constant

Planets with no natural satellite → Mercury & Venus

15.

Thomas Cup is a/an _____.

men → India → 2022 by defeating Indonesia.
थॉमस कप एक _____ है।

1. annual event
2. biennial event
3. quarterly event
4. triennial event

1. वार्षिक आयोजन
2. द्विवार्षिक आयोजन
3. त्रैमासिक घटना
4. त्रैवार्षिक आयोजन

Thailand

Thomas cup →

1st → 1948-1949, England
won by → Malaysia

women
Uber Cup → 1957, England
won by USA

2022, won by South Korea → Defeating China

Indians Related

→ Lakshya Sen } Individual
→ Kidambi Srikanth }

→ Chirag Shetty } duo
Swastika Sairaj
Ramkireddi }

16.

Identify the group of states that are covered in the Sardar Sarovar Project.

Narmada

सरदार सरोवर परियोजना में शामिल राज्यों के समूह की पहचान करें।

Gujarat

Radial

1. Gujarat, Punjab, Haryana, Rajasthan
2. Gujarat, Rajasthan, Karnataka and Telangana
3. Maharashtra, Madhya Pradesh, Gujarat and Rajasthan
4. Maharashtra, Madhya Pradesh, Chhattisgarh and Jharkhand

Kapildhar
&
Dhuadhar
waterfalls

Amarkantak
Son

'Penalty Corner' is related to which of the following sports?

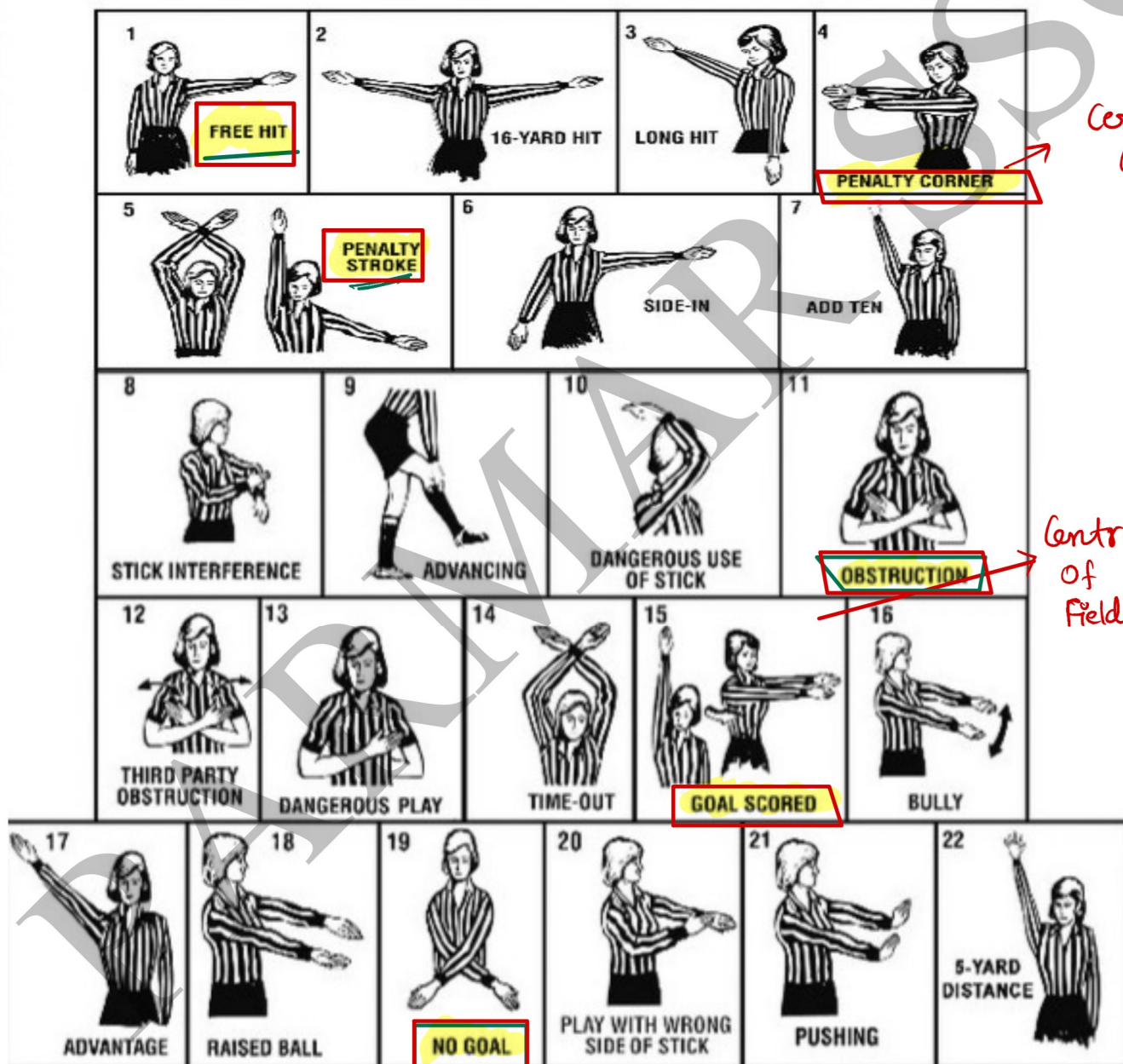
'पेनल्टी कॉर्नर' निम्नलिखित में से किस खेल से संबंधित है?

1. Tennis
2. Badminton
3. Hockey
4. Chess

→ Scoot, Dribble, Astroturf, Offside



Official NFHS Field Hockey Signals



Swimming :- freestyle, Back stroke, Butterfly stroke

Golf :- Eagle, Birdie Eagle, Albatross.

Wrestling :- Half Nelson, Heave.

18.

Select the correct statement about the achievements of Sruti Bandopadhyay, an eminent Manipuri dancer.

प्रख्यात मणिपुरी नृत्यांगना श्रुति बंदोपाध्याय की उपलब्धियों के बारे में सही कथन चुनें।

→ Manipuri



1. She received Kalidas Samman for the year 2020.
2. She received Sangeet Natak Akademi Award for the year 2020.
3. She received Padma Shri for the year 2020.
4. She received Padma Vibhushan for the year 2020.

1980

1952

19.

Which is the only living representative of Sphenopsida that has an underground, creeping and perennial rhizome that gives off aerial as well as underground branches?

स्फेनोप्सिडा का एकमात्र जीवित प्रतिनिधि कौन सा है जिसमें भूमिगत, रेंगने वाला और बारहमासी प्रकंद होता है जो हवाई और भूमिगत शाखाएं देता है?

1. Equisetum
2. Dryopteris
3. Adiantum
4. Selaginella

Rhizopus → Bread Mould → fungi
↓
Spore formation (Asexual Reproduction)
↓
Chitin

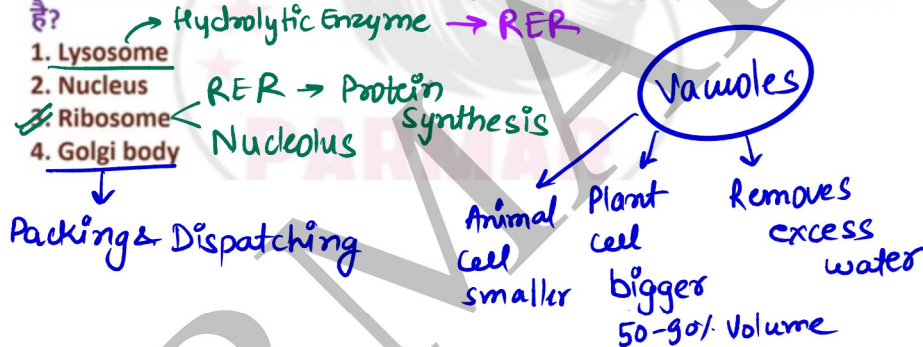
20.

Which of the following cell organelles is made up of ribosomal RNA and protein?

Building Blocks

निम्नलिखित में से कौन सा कोशिकांग राइबोसोमल आरएनए और प्रोटीन से बना है?

1. Lysosome
2. Nucleus
3. Ribosome
4. Golgi body



Adolescent Age (10-19)

↓
Nutrients ↑

fats → Adipose Tissue
↓
Energy

Note → Cell → Qno-4 - Lecture 6

21.

Match the columns.

States	Hills
1. Kerala	a. Anaimalai Hills
2. Meghalaya	b. Garo Hills
3. Mizoram	c. Lushai Hills

Anaimudi peak 2695m

1. 1-b, 2-c, 3-a
2. 1-a, 2-b, 3-c
3. 1-c, 2-b, 3-a
4. 1-b, 2-a, 3-c

% highest tribal population
↓
Tribe

22.

Who among the following is the author of the book 'The Buddha and his Dhamma', which appeared in 1957 after the death of its author?



निम्नलिखित में से
 (Prez) → Swaraj Party
 + CPDOS → Party
 (Sec) → Party

1. Motilal Nehru

2. Mahatma Gandhi

3. Subhas Chandra Bose

4. BR Ambedkar

Poona Pact 1932

Mook Nayak (weekly)

Mahad Satyagraha (1927)

Oct 1956 → Buddha Religion

Death Dec 1956

All India
Scheduled
Caste
Federation

Artical 32 → Heart & Soul of Constitution.

Auto
Biography
↓
waiting for a Visa

Subhash Chandra Bose:- Birth → 23 Jan → Parakram Diwas

↳ On 126th Anniversary → 21 unnamed Islands

↓
Paramvir Chakra
awardees

↳ Jai Hind

- Delhi Chalo

- Tum mujhe Khoon do mai tumhe Azadi Dunga

- Freedom is taken not given.

→ Free Religion (1941) → with the help of German Govt.

→ All India forward Block, 1939

→ Leded INA

→ Rani Lakshmbai Regiment, INA

23.

Which German chemist and physicist proposed that an aromatic compound must have an odd number of pairs of electrons, Which can mathematically be written as $4n+2$ ($n = 0, 1, 2, 3$, etc.) in 1931?

1931 में किस जर्मन रसायनज्ञ और भौतिक विज्ञानी ने प्रस्तावित किया कि एक सुगंधित यौगिक में विषम संख्या में इलेक्ट्रॉन जोड़े होने चाहिए, जिसे गणितीय रूप से $4n+2$ ($n = 0, 1, 2, 3$, आदि) के रूप में लिखा जा सकता है?

1. Friedrich Kekule

2. Rosalind Franklin

3. Antoine Lavoisier

4. Erich Huckel



Hydrocarbons → Saturated → Alkane (C_nH_{2n+2})

↳ Single bond
↳ Clear blue flame



Unsaturated

Yellow sooty flame

Alkene

C_nH_{2n}

→ double bond ethylene

↳ fruit Ripening
↳ Gaseous Hormone

Alkyne

Acetylene → welding
→ triple bond

C_nH_{2n-2}

Plant hormones

Growth ← Auxin
Cell division ← Cytokinin
Germination ← Gibberlin

Abscissic Acid

↳ Growth inhibit
↳ Stress hormone

Trichloromethane is better known as:

ट्राइक्लोरोमेथेन को बेहतर रूप में जाना जाता है:

1. butanes

2. chloroform

3. LPG

4. laughing gas

1. ब्यूटेन

2. क्लोरोफॉर्म

3. एलपीजी

4. हंसाने वाली गैस

Nitrous Oxide

→ Tear gas: Chloropicrin

→ Bhopal Gas Tragedy: Methyl Isocyanide

National Pollution

Prevention day.

← 2nd Dec

↓ 1984

Union carbide

Tyres / chips packets

→ N_2

to Avoid Rancidity

Which Constitutional Amendment added Fundamental Duties in the Constitution?

किस संवैधानिक संशोधन द्वारा संविधान में मौलिक कर्तव्य जोड़े गए?

- ✓ 1. Forty-Second Amendment Act, 1976
2. Forty-Fourth Amendment Act 1978
3. Fifty-Second Amendment, 1985
4. Forty-Seventh Amendment, 1984



PARMAR SSC