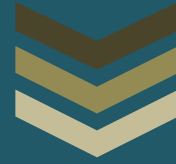


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08 March to 15 March



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Success is born of action...

Topic 1: COMMON WEALTH

Importance for Prelims: International Organisations



Queen Elizabeth demand unity earlier than Meghan Markle, patrician Harry interview in Empire day speech.

Composition:

- Intergovernmental organization of fifty three member states that area unit principally former territories of land Empire.
- It operates by intergovernmental agreement of the member states.
- Established in 1949 by the London Declaration.

Structure:

- Head of the Commonwealth — Queen Elizabeth is that the Head of the Commonwealth. The position is symbolic.

About Commonwealth of Nations:

- The Commonwealth of states, at just the once referred to as Commonwealth of Nations, is a corporation of fifty 3 states that were mainly below the colonial rule of British Government.

- They came into existence with the proclamation of sovereignty of the state from the colonial rule of geographic area and were later given self-governance.
- It proclaims that the Commonwealth nations area unit “free and equal.” The badge of this Commonwealth Association is Queen Elizabeth United Nations agency is taken into account the Supreme of the Commonwealth nations.
- The member states of the commonwealth don't seem to be wrongfully liable or guaranteed to one another. they're rather united by language, history, culture, likeness of the democracy, human rights and therefore the rule of law.
- Their values area unit listed down at intervals the Commonwealth Charter and therefore the hands of harmony towards the member states area unit extended by the Commonwealth Games control each four years.
- Former British mandates that didn't become members of the Commonwealth area unit Egypt, Transjordan, Iraq, British Palestine, Sudan, British Somaliland, Oman, Kuwait, Bahrain, Qatar, and therefore the United Arab Emirat

Topic 2: JANAUSHADHI SCHEME

Importance for Prelims: Government Schemes



Prime Minister Narendra Modi on Sunday dedicated the 7500th Janaushadhi Kendra at North Jap Indira Gandhi Regional Institute of Health and Medical Sciences (NEIGRIHMS) in Shillong via video conferencing.

- ‘Pradhan Mantri Bhartiya JanaushadhiPariyojana’ could be a campaign launched by the Department of prescription drugs, Govt. Of India, to produce quality medicines at reasonable costs to the plenty through special kendra’s called Pradhan Mantri Bhartiya January Aushadhi Kendra.
- Pradhan Mantri Bhartiya January Aushadhi Kendra (PMBJK) are discovered to produce generic medication, that area unit obtainable at lesser costs however area unit equivalent in quality and efficaciousness as costly branded medication.

- Bureau of drug company PSUs of Republic of India (BPPI) is that the implementing agency of PMBJP.
- BPPI (Bureau of drug company Public Sector Undertakings of India) has been established below the Department of prescription drugs, Govt. of India, with the support of all the CPSUs.

Significance of the theme

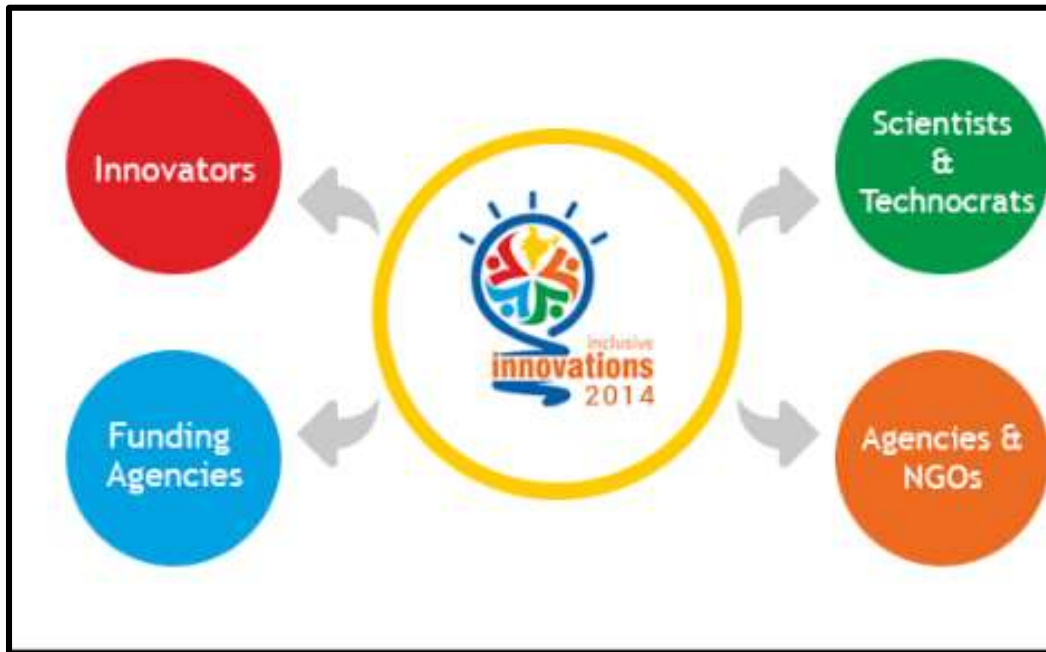
- Ensure access to quality medicines.
- Extend coverage of quality generic medicines thus on cut back the out of pocket expenditure on medicines and thereby redefine the cost of treatment per person.
- Create awareness regarding generic medicines through education and subject matter so quality isn't similar with solely high worth.
- A public programme involving Government, PSUs, non-public Sector, NGO, Societies, Co-operative Bodies and alternative establishments.
- Create demand for generic medicines by up access to higher aid through low treatment price and simple accessibility where required all told therapeutic classes.

Generic medication

- Generic medicines area unit unbranded medicines that area unit equally safe and having a similar efficaciousness as that of branded medicines in terms of their therapeutic worth. the costs of generic medicines area unit less expensive than their branded equivalent.

Topic 3: I4C

Importance for Prelims: Governance



This year, the Indian Cyber Crime Coordination Centre (I4C), underneath the Ministry of Home Affairs (MHA), launched the Cyber Crime Volunteers Program with the aim to permit voters to register themselves as “Cyber Crime Volunteers” within the role of “Unlawful Content Flaggers”.

- The Indian Cyber Crime Coordination Centre (I4C) was inaugurated by the govt to take care of every type of cybercrimes in a very comprehensive and coordinated manner.
- It are got wind of underneath the recently created Cyber and knowledge Security (CIS) division of the MHA.

It has seven components:

- ✓ National Cyber Crime Threat Analytics Unit
- ✓ National Cyber Crime news Portal
- ✓ National Cyber Crime coaching Centre
- ✓ Cyber Crime scheme Management Unit
- ✓ National Cyber Crime analysis and Innovation Centre

- ✓ National Cyber Crime rhetorical Laboratory scheme
- ✓ Platform for Joint Cyber Crime Investigation Team.

Functions:

- The I4C can assist in centripetal cyber security investigations, grade the event of response tools and convey along personal firms to contain the menace.

Objectives:

- To act as a nodal purpose within the fight against crime
- Identify the analysis problems/needs of LEAs and take up R&D activities in developing new technologies and rhetorical tools together with world / analysis institutes among Asian nation and abroad
- To stop misuse of cyber house for furthering the reason for extremist and terrorist teams recommend amendments, if needed, in cyber laws to stay pace with quick dynamical technologies and International cooperation
- To coordinate all activities associated with implementation of Mutual Legal help
- Treaties (MLAT) with different countries associated with cybercrimes in consultation with the involved nodal authority in MHA.

Topic4: SAVITRIBHAI PHULE

Importance for Prelims: History

Savitri Tibeto-Burman Phule was the social reformer of the nineteenth century World Health Organization worked within the field of girls education. At the age of nine, she was married to 13-year-old Jyotirao Phule. Jyotirao Phule, higher called Jyotiba, was additionally a social reformer World Health Organization worked within the field of girls education. Jyotirao educated Savitribai reception once their wedding.

Contributions

- In the nineteenth century, public education was restricted and there have been solely many missionary colleges that were “open to all”. during this amount, Jyotiba, at the age of twenty one, and Savitri, 17, opened a faculty for girls in 1848.
- It was the country’s 1st college for girls started by Indians.
- She additionally took teacher’s coaching course at Associate in Nursing institute surpass Associate in Nursing yank missionary in Ahmednagar and in Pune’s teachers college.
- She then started teaching ladies in Pune’s Maharwada.
- Fatima tribal sheikh at the side of Savitribai visited the traditional college and that they each graduated along. She was the primary Muslim girl teacher of Asian country.
- In the decennary, the Phule couple initiated 2 instructional trusts—the Native feminine college, Pune and also the Society for Promoting the Education of Mahars, Mangs and Etceteras—which came to possess many colleges underneath them.
- She printed KavyaPhule in 1854 and Bavan Kashi SubodhRatnakar in 1892.

- In her literary work, Go, Get Education, she urges the burdened communities to urge Associate in Nursing education and break away from the chains of oppression.
- In 1852, Savitribai started the MahilaSeva Mandal to lift awareness concerning Women's rights. Savitribai required a women's gathering wherever members from all castes were welcome and everyone was expected to sit down on a similar pad.
- She at the same time campaigned against kid wedding, whereas supporting widow marriage.
- In 1863, they started a home for the interference of infanticide in their own house, for the protection of pregnant, exploited Brahman widows and to nurture their kids.
- In 1890, Jyotirao died. Defying all social norms, she lit his heap.
- After Jyotiba's death in 1890, Savitribai carried forward the work of the Organization Satya ShodhakSamaj and additionally chaired the annual session command at Saswad in 1893.
- She initiated the primary Satyashodhak wedding—a marriage while not a gift, Brahmin monks or aristocrat rituals in 1873. Her adopted son, Yashwant, too, had a Satyashodhak inter-caste wedding.
- Her achievements were various and diverse, however they'd a singular effect—posing a brave and pioneering challenge to the class structure and social organisation.

Topic 5. BRAHMAPUTRA RIVER

Importance for Prelims: Geography



A draft of China's new Five-Year set up (2021-2025), that is about to be formally approved, has given the inexperienced lightweight for the primary dams to be engineered on the lower reaches of Yarlung Zangboriver, because the Brahmaputra is understood in Asian country before it flows into Bharat.

- Brahmaputra stream system is one amongst the biggest rivers within the world. within the Asian country region, it's illustrious by the name of YarlungTsangpo.
- It enters by the names of Siang and Dihang in Bharat. And when it's joined by its 2 main tributaries, the Dibang and theLohit, it's illustrious by the name of Brahmaputra.
- It flows in People's Republic of Bangladesh by the name of Jumna. Finally, it merges with the Ganga stream.
- The world's largest riverine island, Majuli Island is on the Brahmaputra River within the state of province. necessary cities on Brahmaputra area unit Dibrugarh, Pasighat, Neamati, Tezpur and Guwahati.
- Source of origin: The Brahmaputra River rises from Chemayundung ice

mass of the Kailash vary close to the Mansarovar Lake to the north of the range within the southwest Asian country region.

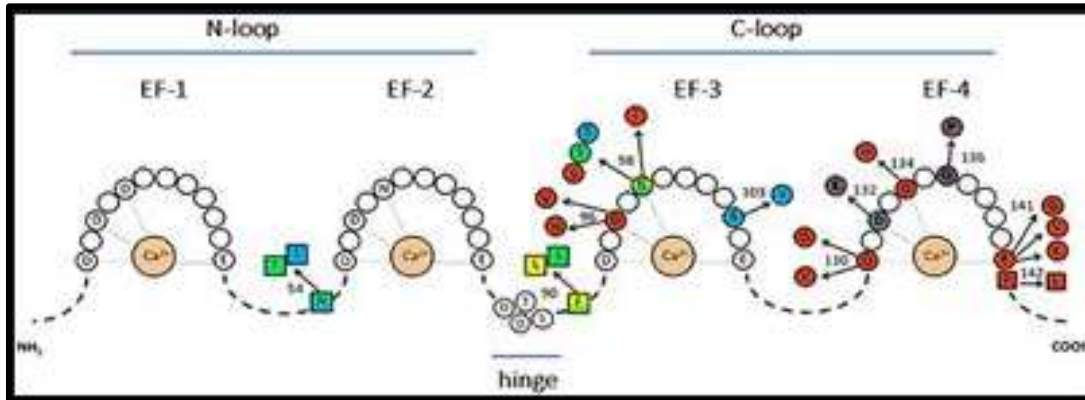
- Confluence of Mouth: The Brahmaputra drains into the Bay of Bengal before forming an enormous delta in conjunction with the Ganga.

Course of the Brahmaputra River

- In Tibet, it runs parallel to the range for regarding one,200 km. It turns into the south and creates a deep gorge through the range close to Namcha Barwa and enters Bharat underneath the name of the Dihang.
- Near Sadia, it receives the Dibang returning from the north and also the Lohit returning from the east and enters the province vale wherever it's known as the Brahmaputra. It flows within the west direction up to Dhubri and additional below, it runs to the south and enters People's Republic of Bangladesh.
- The Brahmaputra receives various tributaries within the province vale. the amount of streams connexion the Brahmaputra on its right-bank is bigger than that of these connexion it on the left-bank. Most of the tributaries area unit giant streams and that they pour nice quantities of water within the Brahmaputra.
- During the time of year, it's eight kilometer broad, slow and heavily laden with silt.
- Its channel is decorated. it's infamous for floods and erosion of its banks. continual floods not solely hampers the navigation through the stream however conjointly the institution of enormous cities on its banks.

Topic 6. CALM 2 MUTATIONS

Importance for Prelims: Science & tech



Folbigg, 53, was in remission in 2003 following a seven-week trial within which she was condemned of dyspnoeic her four kids — Caleb, Patrick, married woman and Elizabeth — over a ten-year amount throughout moments of frustration.

The cluster of scientists and physicians pushing for Folbigg to be pardoned have argued that her kids died thanks to a rare hereditary disease.

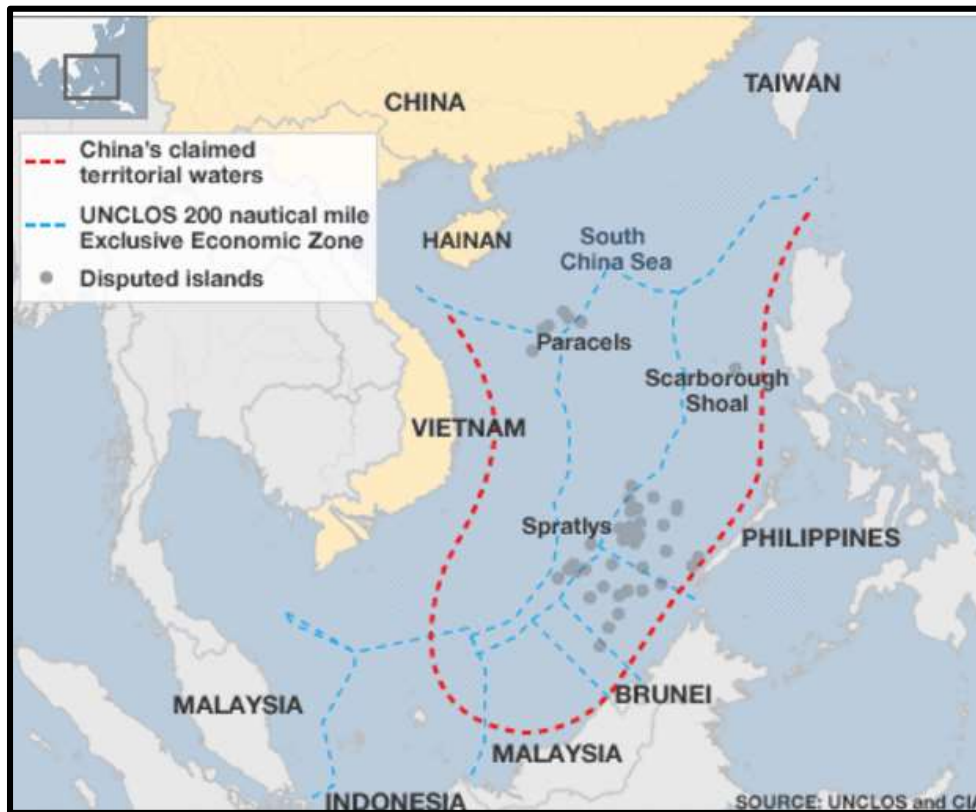
CALM two hereditary disease

- This cistron may be a member of the **calmodulin cistron family**. There are 3 distinct calmodulin genes distributed throughout the ordering that write in code the identical macromolecule, however take issue at the ester level.
- Calmodulin may be a metallic element binding macromolecule that plays a job in signal pathways, cell cycle progression and proliferation.
- Several infants with severe kinds of long-QT syndrome (LQTS) UN agency displayed grave bodily cavity arrhythmias at the side of delayed neurodevelopment and brain disease were found to possess mutations in either this cistron or another member of the calmodulin cistron family.
- Mutations during this cistron have additionally been known in patients

with less severe kinds of LQTS, whereas mutations in another calmodulin
cistron loved one are related to catecholaminergic polymorphic bodily
cavity arrhythmia (CPVT), a rare disorder **thought to be the reason**
behind a big fraction of abrupt internal organ deaths in young people

Topic 7. PERMANENT COURT OF ARBITRATION

Subject: International Organizations



Courts in 5 countries, together with the U.S. and the U.K., have given recognition to Associate in Nursing arbitration award that asked Asian country to come back \$1.4 billion to Cairn Energy plc.

- The company had captive courts in 9 countries to enforce the Gregorian calendar month twenty one award from a three-member judicature at the Permanent Court of Arbitration within the Holland|Kingdom of The Netherlands|Holland|European country|European nation}.

Permanent Court of Arbitration

- ❖ Established in: 1899.
- ❖ HQ: Hague, Netherlands.
- It is Associate in Nursing intergovernmental organization dedicated to

serve the international community within the field of dispute resolution and to facilitate arbitration and different styles of dispute resolution between States.

The PCA incorporates a three-part structure structure consisting of:

- ❖ Administrative Council- to administrate its policies and budgets,
- ❖ Members of the Court- a panel of freelance potential arbitrators, and
- ❖ International Bureau- its Secretariat, headed by the Secretary-General.
- ❖ It has monetary help Fund that aims at serving to developing countries meet a part of the prices concerned in international arbitration or different means that of dispute settlement offered by the PCA.

Topic 8. INDRA SHAWNEY CASE

Importance for Prelims: Polity

The Supreme Court on Mon determined to look at whether or not its nearly threedecade- recent judgment that mounted reservation for the marginalised and also the poor in government jobs and academic establishments at five hundredth wants a relook.

Maratha Quota Law

- A five-judge Bench, semiconductor diode by Justice Ashok Bhushan, came upon to listen to the challenge to the Mahratta quota law, determined to not confine the question of reservation spilling over the five hundred limit to merely geographical area.
- The Bench expanded the orbit of the case by creating alternative States party and alluring them to create their stand clear on the question of whether or not reservation ought to still stay at intervals the five hundred boundary or not.

Indira Sawhney Case

- In the celebrated Mandal case (Indra Sawhney Case, 1992), the scope and extent of Article 16(4), that provides for reservation of jobs in favour of backward categories, has been examined totally by the Supreme Court.
- Though the Court has rejected the extra reservation of 100% for poorer sections of upper castes, it upheld the constitutional validity of a twenty seventh reservation for the OBCs with sure conditions.
- The advanced sections among the OBCs (the creamy layer) ought to be excluded from the list of beneficiaries of reservation.
- No reservation in promotions; reservation ought to be confined to initial appointments solely. Any existing reservation in promotions will continue for 5 years solely (i.e., up to 1997).
- The total reserved quota mustn't exceed five hundredth except in some

extraordinary things. This rule ought to be applied per annum.

- The 'carry forward rule' just in case of empty (backlog) vacancies is valid. however it mustn't violate the five hundred rule.
- However, over the years, many States, like geographical area and Madras, have crossed the Rubicon and passed laws which permit reservation shooting over hour.

Topic 9. PROJECT 75I

Importance for Prelims: Defence

Multi-billion deals for thirty armed drones from the U.S. and 6 advanced submarines beneath Project-75I area unit possible to be taken by the Defence Acquisition Council (DAC) in Gregorian calendar month for approval, a government official same.

Project 75I-Class Submarine

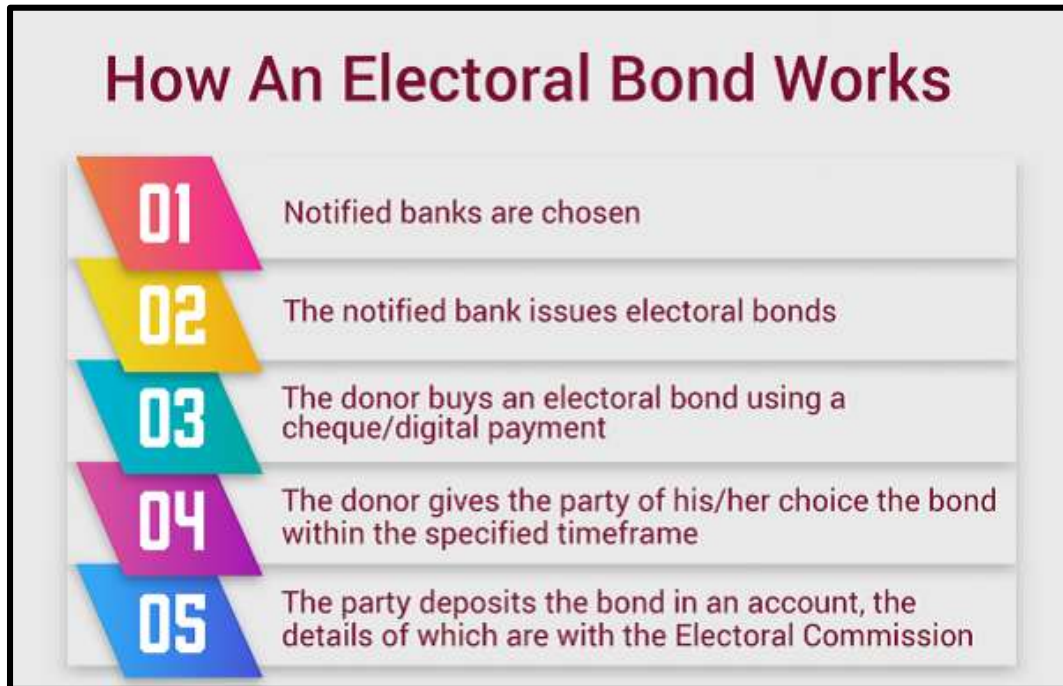
- The Project seventy fiveI-class submarine is innings of the Project 75 Kalvari-class submarines for the Indian Navy.
- Under this project, the Indian Navy intends to accumulate six diesel locomotive submarines, which can conjointly feature advanced Air-independent propulsion (AIP) systems to modify them to remain submerged for extended length and well increase their operational vary.
- In October 2014, the project got clearance from Defense Acquisition Council.
- All six submarines area unit expected to be created in Indian shipyards.

Design

- The Project 75I-class submarines can have a vertical launch system (VLS) to modify them to hold multiple Brahmos supersonic cruise missiles, creating the submarines totally capable of anti-surface and anti-ship warfare missions.

Topic 10. ELECTORAL BONDS

Importance for Prelims: Governance



Electoral Bond may be a money instrument for creating donations to political parties.

- The bonds are issued in multiples of Rs. 1,000, Rs. 10,000, Rs. 1 lakh, Rs. ten large integer and Rs. one large integer with none most limit.
- State Bank of India is authorised to issue and encash these bonds, that are valid for fifteen days from the date of issue.
- These bonds are redeemable within the selected account of a registered organization.
- The bonds are offered for purchase by any individual (who may be a national of India or incorporated or established in India) for a period of 10 days every within the months of January, April, July and Oct as could also be such by the Central Government.
- A person being a natural person should buy bonds, either individually or put together with different people. Donor's name isn't mentioned on the bond.

Topic 11. SHYAMA PRASAD MUKHERJEE

Importance for Prelims: History

In a recent election rally in Muchipara, state, BJP leader spoke regarding the contributions of the party's commencement father, Shyama Prasad Mukherjee.

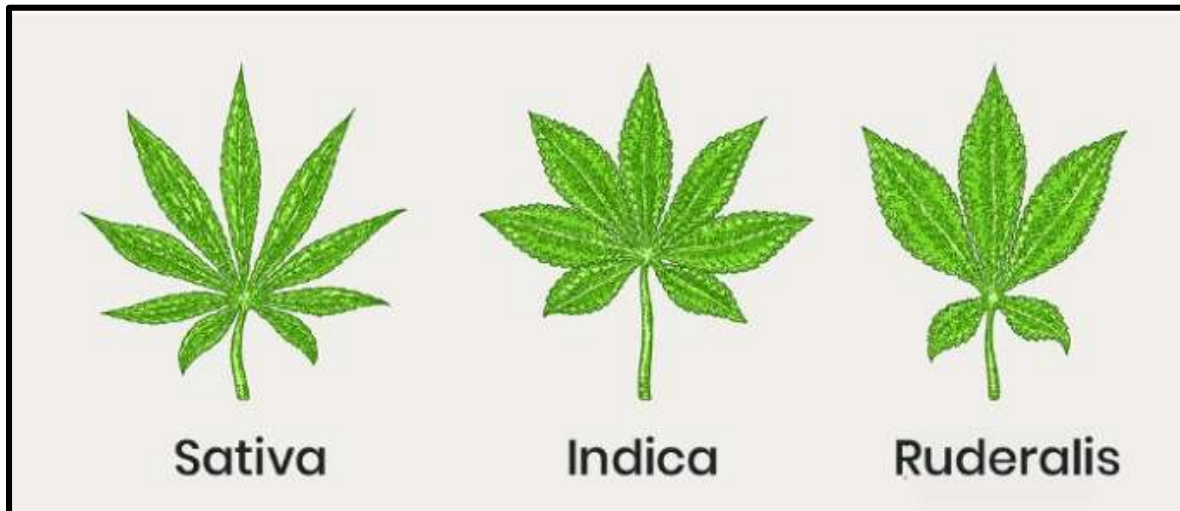
He was born on July six, 1901. He was the freelance India's initial Minister of trade and provide and founding father of Bharatiya Jana Sangh.

- Shyama Prasad Mukherjee was born in a very Bengali family on sixth July 1901. His father Ashutosh Mukherjee was a decide of the Kolkata judicature.
- He started his initial education in Bhawanipur's Mitra establishment in 1906. He passed his admittance examination and was admitted to Presidency school.
- He stood seventeenth within the Inter-Arts Examination in 1916 and graduated in English, securing the primary position in first-class in 1921.
- At the age of thirty three, Shyama Prasad Mukherjee became the youngest vice-chancellor of Kolkata University in 1934.
- During Mukherjee's term as Vice-Chancellor, Rabindranath Tagore delivered the university convocation address in Bengali for the primary time, and therefore the Indian vernacular was introduced as an issue for the best examination.
- Mukherjee demanded the partition of geographical region in 1946 to forestall the inclusion of its Hindu-majority areas in a very Muslim-dominated Asian nation. a gathering control by the Mahasabha on Apr fifteen, 1947, in Tarakeswar, authorised him to require steps for guaranteeing partition of geographical region.
- In could 1947, Shyama Prasad Mukherjee wrote a letter to Lord Mountbatten telling him that geographical region should be partitioned off though Republic of India wasn't.

- He additionally opposed a unsuccessful bid for a united however freelance geographical region created in 1947 by Sarat Bose, the brother of Subhas Chandra Bose, and Huseyn sufferer Suhrawardy, a Bengali Muslim politician.
- After he left the Indian National Congress thanks to distinction of opinion with the Then-Prime Minister Dr Nehru on Jammu and Jammu and Kashmir problems, he cofounded Janata Party within the year 1977-1979, that soon became the Bharatiya Janata Party.
- Shyama Prasad Mukherjee died once forty days of being inactive by the Jammu and Jammu and Kashmir State police for coming into the state while not allow. He gave up the ghost in jail below mysterious circumstances.

Topic 12. CANNABIS or HEMP CULTIVATION

Importance for Prelims: Current Events



In a important announcement in his annual budget speech last week, Himachal Chief Minister Jai Ram Thakur proclaimed that the authorities is arising with a policy to permit controlled cultivation of hemp or cannabis within the state.

- Marijuana (or hemp), a part of the cannabis super-family, is against the law for industrial cultivation although it grows as weed in many components of the country. Uttarakhand, Jammu and — recently province — have allowed restricted cultivation of the plant for medical analysis.
- The Marijuana has 2 elements CBD (cannabidiol) and mind-altering drug (tetrahydrocannabinol).
- CBD doesn't cause intoxication or high spirits and has been with success established to produce relief to chronic pain while not inflicting psychotropic aspect effects.
- It is mind-altering drug that is that the primary psychotropic elements of Marijuana.

Isn't cannabis cultivation black in India?

- In 1985, Bharat prohibited the cultivation of cannabis plant beneath the Narcotic medicine and mind-blowing Substances (NDPS) Act. however

this Act permits state governments to permit controlled and controlled cultivation of hemp for getting its fibre and seed for industrial or husbandry functions.

- In 2018, Uttarakhand became the primary state within the country to try and do thus, permitting the cultivation of solely those strains of cannabis plant that have an occasional concentration of THC (THC) — the first psychotropic constituent of cannabis that produces a high sensation.
- Uttar Pradesh followed an analogous policy, whereas Madhya Pradesh and state are reportedly considering it similarly.
- 1961 world organisation Single Convention on Narcotics medicine
- The Single Convention on Narcotic medicine of 1961 is a global accord to ban production and provide of specific (nominally narcotic) medicine and of medicine with similar effects except beneath licence for specific functions, like medical treatment and analysis.
- The Single Convention refers to habituation as “a serious evil for the individual [that] is fraught with social and economic danger to mankind”.

Topic 13. INTERNATIONAL WOMEN'S DAY

Importance for Prelims: Current Events



The construct of International Women's Day emerged within the early decennary at a time of nice unrest and debates among ladies against oppression and difference.

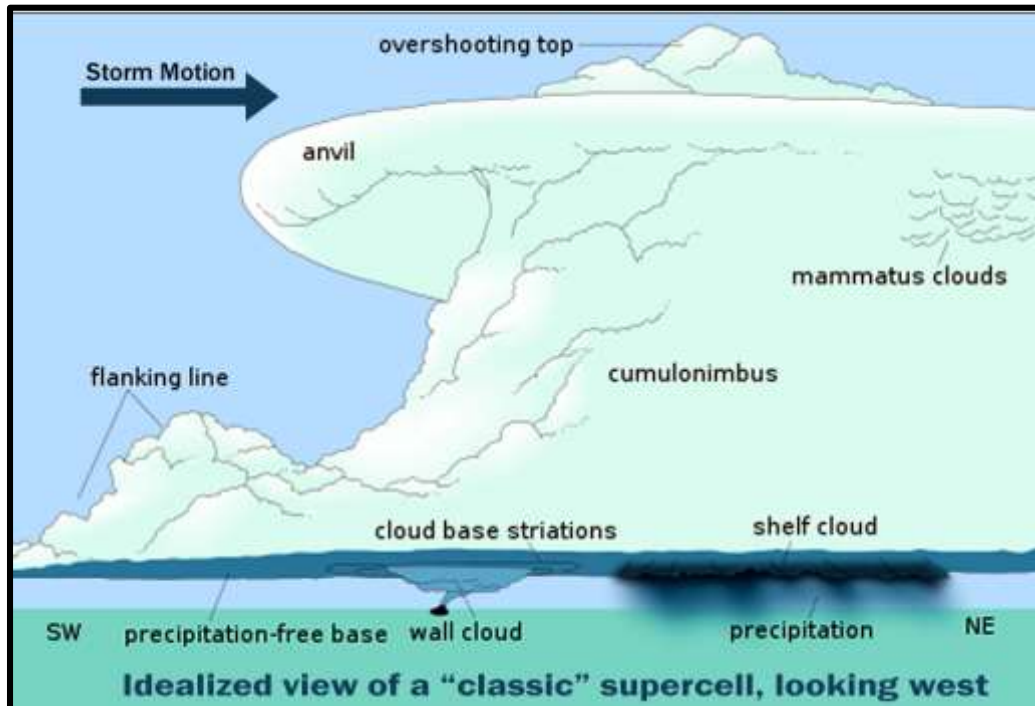
In 1908, 15,000 ladies marched through ny town exacting shorter hours, higher pay and pick rights. successive year, the political party of America ascertained the primary National Woman's Day across the us on February twenty eight, 1909.

- Women continuing to celebrate it on the last Sunday of February till 1913.
- Simultaneously, in 1910, the second International Conference of operating ladies was control in Denmark's Kobenhavn, wherever Clara Zetkin, World Health Organization light-emitting diode the Women's workplace for the Social party in Deutschland tabled the concept of a global Women's Day.
- She planned that each year, each country ought to celebrate on an equivalent day to press for his or her demands.

- On March nine, 1911, International Women’s Day was honored for the primary time in European country, Denmark, Deutschland and Suisse.
- More than a meg ladies and men attended the rallies cause for women’s rights to figure, vote, be trained, to carry post and finish discrimination.
- Meanwhile in Russia, on the eve of war I, ladies ascertained their initial International Women’s Day on February twenty three, the last Sunday in February, with a strike for “bread and peace” to protest the death of over 2 million Russian troopers.
- In the United Nations, **it absolutely was celebrated for the primary time in 1975**, and in December 1977, the final Assembly adopted a resolution proclaiming a United Nations Day for Women’s Rights and International Peace.
- **In 1996, the international organisation proclaimed their initial annual theme** — “Celebrating the Past, coming up with for the Future”, followed by “Women at the Peace table” in 1997. In 1998 “Women and Human Rights”, in 1999 “World freed from Violence against Women”, annually had a replacement theme.

Topic 14. THUNDERSTORMS

Importance for Prelims: Geography



The Regional meteorologic Centre, Chennai, has same that rain occurred at isolated places over Kerala and Mahe throughout the twenty four hours ending on weekday morning. Outlook for weekday had hinted at the likelihood of thunderstorms with lightning at isolated places over state and Kerala.

- Thunderstorms and tornadoes are unit severe native storms. they're of short length, occurring over a little space however are unit violent.
- Thunderstorm could be a storm with thunder and lightning and usually additionally significant rain or hail.
- Thunderstorms largely occur on ground wherever the temperature is high.
- Thunderstorms are unit less frequent on water bodies because of temperature.
- Worldwide, there are unit associate degree calculable sixteen million thunderstorms every year, and at any given moment, there are unit roughly a pair of,000 thunderstorms current.

Motion of a electrical storm

- Path of a electrical storm is erratic. Motion is primarily because of interactions of its updrafts and downdrafts.
- The speed of isolated storms is usually regarding twenty kilometer (12 miles) per hour, however some storms move abundant quicker.
- In extreme circumstances, a supercell storm might move sixty five to eighty kilometer (about forty to fifty miles) per hour.

Downbursts

- Downdrafts area unit observed as macrobursts or microbursts.
- Macroburst is over four kilometer in diameter and may turn out winds as high as sixty metres per second, or 215 kilometer per hour.
- A microburst is smaller in dimension however produces winds as high as seventy five metres per second, or 270 kilometer per hour
- They area unit seriously venturesome to aircrafts, particularly throughout takeoffs and landings.

Topic 15. PARLIAMENT ADJOURNMENT

Importance for Prelims: Polity

Both the houses of Parliament adjourned while not taking on any major agenda on weekday too, because the Opposition continuing protests exigent a discussion on the increasing costs of oil product.

Adjournment

- An adjournment suspends the add a sitting for a specified time, which can be hours, days or weeks. during this case, the time of refabrication is specified .
- An adjournment solely terminates a sitting and not a session of the House.
- The power of adjournment lies with the leader of the House.

Adjournment trigonometric function Die

- Adjournment trigonometric function die means that terminating a sitting of Parliament for associate degree indefinite amount. In different words, once the home is adjourned while not naming on a daily basis for refabrication, it's known as adjournment trigonometric function die.
- The power of adjournment trigonometric function die lies with the leader of the House.

Note:

- The leader of a House will decision a sitting of the House before the date or time to that it's been adjourned or at any time when the House has been adjourned trigonometric function die.

Topic 16. DIGIDHAN MISSION

Importance for Prelims: Current events / Government Schemes



According to official knowledge on the DigiDhan Dashboard, the full variety of digital transactions between April one, 2020, and March eight, 2021, stood at 4,877.51 crore, against the four,579.94 large integer transactions clocked in 2019-20.

- Hon'ble government minister in his Budget Speech of FY 2017-18, proclaimed a target of two,500 large integer digital dealing for 2017-18 and had proclaimed that an ardent Mission shall be discovered for this purpose.
- In pursuance of this vision, "DIGIDHAN Mission" has been set underneath the Ministry of natural philosophy and data Technology (MeitY), with associate objective to realize the target of 2500 large integer digital payment transactions in yr 2017-18 and to alter digital payment infrastructure throughout the country.
- The Digidhan mission won't solely work on spreading acquirement concerning on-line payments, however also will undertake promotion of

best practices, processes, adoption and on-boarding systems across the system for a good and fast uptake.

Digidhan Dashboard

- To monitor the expansion of digital payments, MeitY has developed “Digidhan Dashboard”, a platform for correct news, observation and analysis of all digital payments transactions occurring within the country and enablement of infrastructure through preparation of Physical/Mobile/BHIM AadhaarPoS devices.
- It can facilitate in chase the expansion of digital payment transactions within the country and can give inputs for effective designing of digital payment promotional activities.
- The Dashboard includes knowledge of assorted modes of digital payment transactions. It provides 2 levels of access.
- General access provides details of growth of digital payment and connected infrastructure. Privileged access is given to the stakeholders to review their performance for higher implementation and promotion of digital payments.

Topic 17. BASE EFFECT

Importance for Prelims: Economics

Crisil expects India's gross domestic product (GDP) growth to rebound to eleven per cent in financial 2022 once associate degree calculable eight per cent contraction this financial . The analytics company sees growth next financial (FY22) to be a story of 2 halves, with base impact lifting the primary [*fr1] and broad-based growth within the second.

- The base impact refers to the impact of the increase in indicant (i.e. last year's inflation) within the previous year over the corresponding rise in worth levels within the current year (i.e., current inflation).
- If the worth index had up at a high rate within the corresponding amount of the previous year resulting in a high rate, a number of the potential rise is already factored in, so an identical absolute increase within the index number within the current year can cause a comparatively lower inflation rates.
- On the opposite hand, if the rate was too low within the corresponding amount of the previous year, even a comparatively smaller rise within the index number can arithmetically provides a high rate of current inflation.

Topic 18. NATIONAL WILDLIFE BOARD OF INDIA

Importance for Prelims: Environment

Recently , Supreme Court expressed that national life board has not met for regarding six years.

- The National Board for life has forty seven members with the Prime Minister within the Chair.
- The Minister answerable of the MoEF in GOI is that the Vice-Chairperson.
- The further Director General of Forests (WL) & Director, life Preservation is that the Member-Secretary to the Board.
- Other members embrace 3 Members of Parliament (two from Lok Sabha and one from Rajya Sabha), 5 NGOs and ten eminent ecologists, conservationists and environmentalists.
- The board is informative in nature and advises the GOI in conservation and development of life and forests.
- It has the ability to review all wildlife-related matters and approve comes in and around national parks and sanctuaries.
- No alternation of boundaries in national parks and life sanctuaries will be steer clear off the approval of the National Board for life.

Topic 19. PRESEIDENT ASSENT TO STATE BILLS

Importance for Prelims: Polity

The Union government educated the Lok Sabha on Tuesday that AN interministerial consultation for the state Disha (Special Courts for nominal Offences against ladies and Children) Bill, 2020, had been initiated.

Minister of State for Home G. Kishan Reddy educated the House that the Bill reserved by the Governor had been received in Gregorian calendar month 2021 for assent of the President

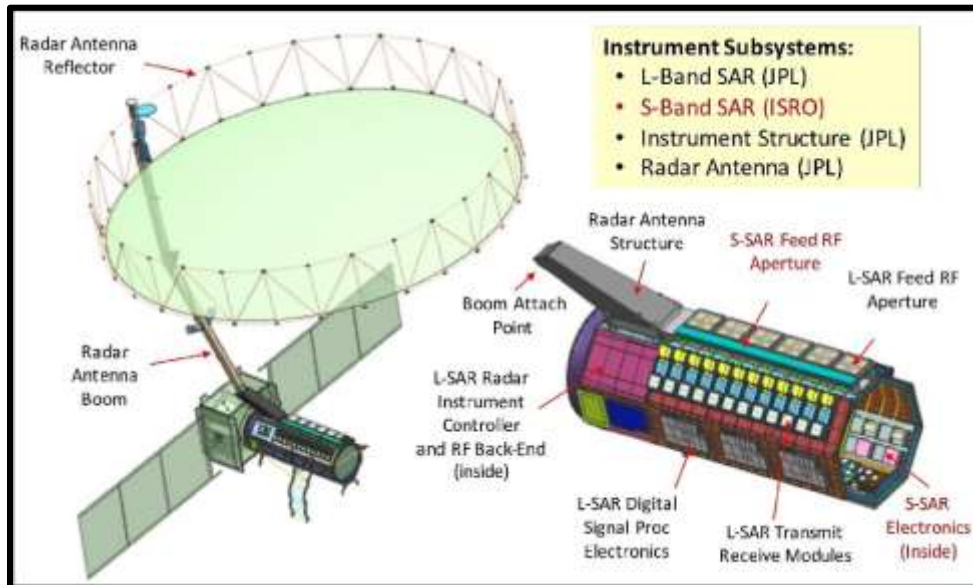
- Article two hundred of the Indian Constitution provides provisions relating to the powers of the Governor once a bill is lapsed the state legislative assembly.
- The Governor shall declare either that he assents to the Bill or that he withholds assent therefrom or that he reserves the Bill for the thought of the President.
- When a bill apart from cash bill is conferred before Governor for his assent, he either offers assent to the bill, withhold his assent to the bill or come back the bill for reconsideration of homes.
- If the bill is passed once more by state legislative assembly with or while not amendments, he needs to offer his assent or reserve the bill for thought of President.
- The Governor cannot send cash bill back for reconsideration as a result of the cash bill would typically be introduced with previous assent of Governor solely.
- In case the cash bill reserved for Presidents assent, the President needs to state whether or not he's giving assent or withholding his assent.
- The Constitution doesn't furnish any steerage to the Governor that during which matters he ought to accord his assent and during which matters he ought to withhold assent.

Options for President on Bills reserved by Governor

- When a bill lapsed a state legislative assembly is reserved by the governor for thought of the President, the President can:
- Give his assent to the bill, or Withhold his assent to the bill, or Direct the governor to come back the bill (if it's not a cash bill) for reconsideration of the state legislative assembly.
- It ought to be noted here that it's non-compulsory for the President to administer his assent even though the bill is once more lapsed the state legislative assembly and sent once more to him for his thought.

Topic 20. NISAR

Importance for Prelims: Science & tech



ISRO has completed development of an artificial Aperture measuring system capable of manufacturing high-resolution pictures for a joint earth observation satellite mission with the U.S. house agency NASA.

- NISAR stands for NASA ISRO artificial Aperture measuring system Mission It aims to check the hazards and world environmental changes and slated to launched in 2020-21.
- NISAR may be a twin frequency (L & S Band) measuring system Imaging Satellite. it'll be the primary measuring system imaging satellite to use twin frequency.
- Will be launched in a very Sun Synchronous Low –Earth
- It is intended to look at and take measurements of a number of the planet's most advanced processes, as well as system disturbances, ice-sheet collapse, and natural hazards like earth quakes, tsunamis, volcanoes and landslides.
- The satellite is probably going to be launched from Republic of India aboard Associate in Nursing Indian launch vehicle.

Topic 21. DUSTLIK 2

Importance for Prelims: Defence

At Exercise Dustlik-II between Bharat and Uzbekistan from March ten nineteen, the military can showcase its Counter revolt (CI) and Counter coercion (CT) skills.

- Dustlik-II could be a bilateral military exercise between Bharat and Uzbekistan. This exercise would be control in Bharat between March ten and nineteen.
- This 10-day long exercise can look for to boost military cooperation between the 2 countries.
- The focus are on counter-insurgent and counter-terrorist operations at the urban settings. the primary edition of this exercise was control in 2019 in Uzbekistan, close to Taskent. Dustlik is that the Uzbek term for friendly relationship.

Topic 22. OPEC+

Importance for Prelims: International Organisations



India has asked state refiners to hurry up diversification of oil imports to step by step cut their dependence on West Asian suppliers when OPEC+ set last week to for the most part continue production cuts in Apr, 2 sources aforementioned.

- The non-OPEC countries that export fossil oil at the side of the thirteen international organisations square measure termed as OPEC and countries.
- OPEC and countries embrace Asian nation, Bahrain, Brunei, Kazakhstan, Malaysia, Mexico, Oman, Russia, South Sudan and Sudan.
- Saudi and Russia, each are at the center of a three-year alliance of oil producers referred to as international organisation and — that currently includes eleven international organisation members and ten non-OPEC nations — that aims to sustain oil costs with production cuts.

About OPEC

- OPEC stands for Organization of the fossil fuel exportation Countries.
- It may be a permanent, intergovernmental organization, created at the Bagdad
- Conference in 1960, by Iran, Iraq, Kuwait, Saudi Arabia, and South American country.
- It aims to manage the provision of oil in a shot to line the value of oil

within the world market, so as to avoid fluctuations which may have an effect on the economies of each manufacturing and buying countries.

- It is headquartered in Austrian capital, Austria.
- OPEC membership is receptive any country that's a considerable businessperson of oil and that shares the ideals of the organization.
- Today syndicate } may be a cartel that has fourteen nations, preponderantly from the center east whose sole responsibility is to manage costs and moderate provide.

Topic 23. CEEW

Importance for Prelims: National Organisations

Only concerning 1/2 the urban slum households completely use LPG for preparation, consistent with a survey report free on weekday by the Council on Energy, atmosphere and Water (CEEW).

- The Council on Energy, atmosphere and Water is one among Asia's leading not-for profit policy analysis establishments.
- It is headquartered in New Delhi.
- CEEW uses knowledge, integrated analysis, and strategic reaching to clarify – and alter – the utilization, reuse, and misuse of resources.
- Some of CEEW's analysis areas embrace resource potency and security; water resources; renewable energy; property finance; energy-trade-climate linkages; integrated energy, atmosphere and water plans; and climate geoengineering governance.
- The think-tank advises the Indian government.

Topic 24. STOCKHOLM +50

Importance for Prelims: Environment

As we have a tendency to approach Stockholm+50, we have a tendency to ar staring at Associate in Nursing more and more unjust world; wherever economic condition and social process ar growing and wherever global climate change risks ar reaching not simply the homes of the poor however additionally of the wealthy.

Stockholm+50

- In 2022 it'll be fifty years since the primary international organization conference on the human setting – the 1972 capital of Sweden Conference.
- The Government of Sweden has offered to host a high-level meeting in conjunction with this day of remembrance.
- The aim is to contribute to fast a metamorphosis that results in property and inexperienced economies, more jobs, and a healthy planet for all, wherever nobody is left behind.

The 1972 capital of Sweden Conference

- The United Nations Conference on the Human setting, additionally called the capital of Sweden Conference, was the primary United Nations conference on the setting and was control between five and sixteen Gregorian calendar month 1972 in capital of Sweden.
- The meeting's outcome document – the capital of Sweden Declaration – enclosed many principles that ar still vital for environmental management.
- Another results of the meeting was the institution of the international organization setting Programme (UNEP) and therefore the World setting Day, control annually on five Gregorian calendar month.

Topic 25. IT RULES 2021

Importance for Prelims: Current Events

The Kerala judiciary restrained the Centre from taking powerful action against Live Law Media personal Ltd., that owns a legal news portal, for not yielding with half III of the new IT (Intermediary pointers and Digital Media Ethics Code) Rules, 2021.

- The court issued notice to the Centre on a petition filed by the firm difficult the foundations regulation digital journalism, curated content (OTT platforms), and social media intermediaries.
- The petition aforesaid half III of the foundations obligatory Associate in Nursing unconstitutional three-tier complaints and assessment structure on publishers.
- The creation of a grievance redressal mechanism, through a governmental oversight body (an inter-departmental committee grooved beneath Rule 14) amounted to excessive regulation.
- Rule 4(2), that makes it obligatory for each social media negotiant to change tracing of originators of data on its platform, supposedly in furtherance of Section sixty nine of the IT Act, profaned Article 19(1)(a) (freedom of speech and expression).
- It conjointly underprivileged the intermediaries of their “safe-harbour protections” beneath Section seventy nine of the IT Act.
- The rules obligating electronic communication intermediaries to change their infrastructure to “fingerprint” every message on a mass scale for each user to trace the primary creator was violat of the elemental right to privacy of web users.

Topic 26. TROIKA PROCESS

Importance for Prelims: International Relations

Russia has proclaimed it'll hold a conference of special envoys from the U.S., China, and Asian country, along side representatives of the Islamic State of Afghanistan government, Taliban and alternative senior Afghan leaders next week.

- Unlike the UN-led formulation, however, Republic of India has not been invited to the Russian conference, officers confirmed, adding that Russian capital has unbroken national capital apprised of the biennial previous “Troika” method involving consultations between U.S., Russia and China.
- Diplomatic sources aforementioned the Troika method was associate “already established mechanism”, which there was no commit to “leave Republic of India out” of the planned talks.

Topic 27. NCT BILL

Importance for Prelims: Legislations

The Parliament has passed the city Territory of city Laws (Special Provisions) Second (Amendment) Bill, 2021 with Lok Sabha approving it. Rajya Sabha had already passed the bill last month.

- The legislation aims to amend the city Territory of city Laws (Special Provisions) Second Act, 2011. The 2011 Act was valid until thirty first December last year.
- The Bill seeks to increase this point to until the top of December 2023.
- The 2011 Act provided for the regularization of unauthorized colonies within the city that existed as on thirty first March, 2002, and wherever construction befell until first Gregorian calendar month, 2014.
- The Bill amends this to supply that unauthorized colonies are going to be known for regularization as per the city Territory of city (Recognition of Property Rights of Residents in Unauthorized Colonies) Act, 2019, and also the city Territory of city (Recognition of Property Rights of Residents in Unauthorized Colonies) rules, 2019.
- The legislation provides that the unauthorized colonies that existed as on first Gregorian calendar month 2014, and have fifty per cent development as on first Gregorian calendar month, 2015, are going to be eligible for regularization.

Topic 28. INS KARANJ

Importance for Prelims: Defence



Indian Navy's third concealment Scorpene category Submarine INS Karanj has been commissioned at the service waterfront urban center through a proper empowerment ceremony.

- Six Scorpene category submarines are being inbuilt Asian nation by the Mazagon Dock Shipbuilders restricted (MDL) urban center, beneath collaboration with M/s service cluster, France.
- INS Karanj would type a part of the Western service Command's Submarine fleet.
- The Scorpene Submarines are one in all the foremost advanced standard submarines within the world.
- These platforms are equipped with the newest technologies within the world. additional deadly and stealthier than their predecessors, these submarines are equipped with potent weapons and sensors to neutralise any threat higher than or below the ocean surface.

Topic 29. PRADHAN MANTRI SWASTHYA SURAKSHA NIDHI

(PMSSN)

Importance for Prelims: Government Schemes

The Union cupboard has approved the Pradhan Mantri Swasthya Suraksha Nidhi (PMSSN) as one non-lapsable reserve account for share of Health from the takings of Health and Education Cess levied below Section 136-b of Finance Act, 2007.

Salient options of the PMSSN

- A non-lapsable reserve account for Health within the Public Account; takings of share of health within the Health and Education Cess are going to be attributable into PMSSN; Accruals into the PMSSN are going to be used for the flagship schemes of the Ministry of Health & Family Welfare specifically,
- Ayushman Bharat – Pradhan Mantri January Arogya Yojana (AB-PMJAY)
- Ayushman Bharat – Health and eudaimonia Centres (AB-HWCs)
- National Health Mission
- Pradhan Mantri Swasthya Suraksha Yojana (PMSSY)
- Emergency & disaster preparation and responses throughout health emergencies
- Any future programme/scheme that targets to attain progress towards SDGs and therefore the targets started within the National Health Policy (NHP) 2017.
- Administration and maintenance of the PMSSN is entrusted to Ministry of Health & Family Welfare; and
- In any yr, the expenditure on such schemes of the MoHFW would be at first incurred from the PMSSN and thenceforth, from Gross monetary

fund Support (GBS).

Topic 30. ARBITRATION AND CONCILIATION (AMENDMENT) BILL 2021

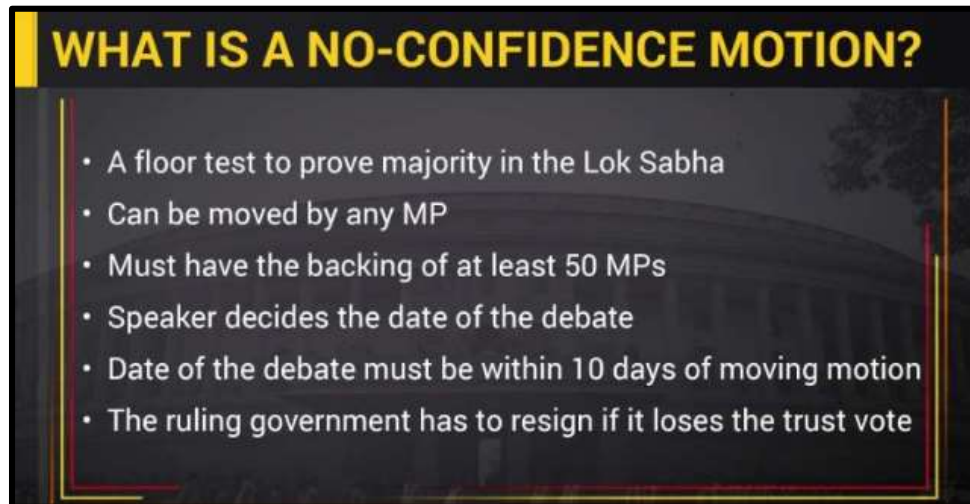
Importance for Prelims: Legislations

The Parliament gave its nod to the Arbitration and Conciliation (Amendment) Bill, 2021 with Rajya Sabha passing it. The Lok Sabha has already passed the bill last month.

- The legislation seeks to amend the Arbitration and Conciliation Act, 1996. The Act contains provisions to contend with domestic and international arbitration and defines the law for conducting conciliation proceedings.
- The Arbitration and Conciliation (Amendment) Bill, 2021 provides for the following: to grant unconditional keep of social control of mediation awards, wherever the underlying arbitration agreement, contracts or mediation award is elicited by fraud or corruption; to omit eighth Schedule of the act that set down the qualifications, expertise and norms for enfranchisement of arbitrators; and to specify by laws the qualifications, expertise and norms for enfranchisement of arbitrators and therefore the aforesaid modification is of import in nature.

Topic 31. NO CONFIDENCE MOTION

Importance for Prelims: Polity



The no-confidence motion affected by the Congress against the Bharatiya Janata Party-Jannayak Janta Party coalition government in Haryana on weekday was defeated by fifty five votes to thirty two.

- A no-confidence motion could be a parliamentary motion that is affected within the Lok Sabha against the complete council of ministers, stating that they're not deemed appropriate hold positions of responsibility because of their inadequacy in some respect or their failure to hold out their obligations.
- No previous reason must be explicit for its adoption within the Lok Sabha.

Procedure to maneuver a “No Confidence Motion”:

- A motion of “No Confidence Motion” against the govt. are often introduced solely within the Lok Sabha underneath rule 198.
- The Constitution of Bharat doesn't mention concerning either a Confidence or a No Confidence Motion. Although, Article seventy five will specify that the Council of Ministers shall be conjointly accountable

to the Lok Sabha.

- A motion of No Confidence are often admitted once a minimum of fifty members, support the motion within the house.
- The Speaker then, once happy that the motion is so as, can raise the House if the motion are often adopted.
- If the motion is passed within the house, the govt. is guaranteed to vacate the workplace.
- A no-confidence motion desires a majority vote to pass the House.
- If people or parties abstain from selection, those numbers are faraway from the strength of the House then the bulk are taken into consideration.

Topic 32. MAPPING INDIAN OCEAN GENOME

Importance for Prelims: Science & tech



Scientists from the National Institute of earth science (NIO) in Panaji aboard its analysis vessel Sindhu Sadhana can pay future 3 months traversing the course of over ten,000 transport miles within the Indian Ocean on an exploration project to reveal the interior operating of the body of the ocean at a cellular level.

- The first-of-its-kind scientific research within the country is geared toward understanding the organic chemistry and therefore the response of the ocean to global climate change, nutrient stress and increasing pollution.
- The scientific research can take 3 years to finish.
- Researchers can travel the Indian Ocean from India's geographical area, all the thanks to Australia, then onward towards port in Mauritius and up to the border of Asian nation, off India's geographical area, gathering samples for ordination mapping of microorganisms within the Indian

Ocean.

- The researchers can collect samples from varied stretches of the ocean at a median depth of concerning five metric linear unit.
- Just like cistron mapping is distributed on blood samples collected from humans, the scientists can map these within the bacterium, microbes found within the ocean. this may facilitate scientists perceive the interior operating of the scheme of the Indian Ocean.
- At varied stages and stretches, samples are going to be collected by lowering a Kevlar cable of up to eight metric linear unit with a collection of twenty four teflon coated bottles to gather samples.

Topic 33. BAD BANKS

Importance for Prelims: Economy

Government-owned unhealthy bank is additional capital efficient: Report

- A unhealthy bank conveys the impression that it'll operate as a bank however has unhealthy assets to begin with.
- Technically, {a unhealthy|a nasty|a foul} bank is associate plus Reconstruction Company (ARC) or associate plus Management Company (AMC) that takes over the bad loans of economic banks, manages them and eventually recovers the money over a amount of your time.
- The unhealthy bank isn't concerned in disposal and taking deposits, however helps business banks finish off their balance sheets and resolve unhealthy loans.
- The takeover of unhealthy loans is generally below the value of the loan and therefore the unhealthy bank tries to recover the maximum amount as attainable after.

Global Precedence

- US-based philanthropist Bank created the primary unhealthy bank in 1988, when that the conception has been enforced in alternative countries together with Scandinavian country, Finland, France and Germany.
- The Troubled plus Relief Programme (TARP) within the North American nation.
- In eire, the National plus Management Agency was established in 2009 to retort to the money crisis.

Previous Proposals:

- In might 2020 the banking sector, LED by the Indian Banks' Association,

had submitted a proposal for putting in a foul bank to resolve the terrorist organization downside, proposing equity contribution from the govt. and banks.

- In 2017 the Economic Survey steered Public Sector plus Rehabilitation Agency or PARA, to shop for out the NPAs of high worth from Indian banks.

Topic 34. INDO JAPAN SPACE TIES

Importance for Prelims: International Relations

Indian and Japanese space agencies reviewed cooperation in earth observation, satellite cooperation and satellite navigation, and additionally in agreement to explore opportunities for cooperation in “space situational awareness and skilled exchange programme”.

- This was in agreement throughout a bilateral meeting between the Indian space agency ISRO and also the Japanese space Exploration Agency (JAXA) command nearby.
- Both agencies signed associate Implementing Arrangement for cooperative activities on rice crop space and air quality watching exploitation satellite knowledge.
- India and Japan space agencies are already engaged on a joint satellite polar exploration (LUPEX) mission and also the 2 space agencies are engaged on the mission that aims to send a lander and rover to the Moon’s pole around 2024.

Space Situational Awareness (SSA)

- Space Situational Awareness (SSA) is that the science of pursuit objects (man-made and natural) that space agencies in orbit and additionally predicting what they might be at a given purpose in time.
- So far, solely America, Russia and Europe have similar established capabilities in situ to trace space objects and share collision warnings.
- ISRO has established a board of directors of space Situational Awareness and Management aiming at protective high valued space assets from space trash shut approaches and collisions.

- To carryout consistently all activities associated with SSAM, an impact centre is being established at Bengaluru.

Topic 35. PLACES OF WORSHIP ACT

Importance for Prelims: Legislations

The Supreme Court on Friday sought-after the Centre sought-after the Centre's response on a PIL difficult the constitutional validity of the Places of worship act, 1991.

Objective of the Act:

- To freeze the standing of anywhere of worship because it existed on August 15, 1947.
- To offer for the upkeep of the non secular character of such an area of worship as thereon day.
- To pre-empt new claims by any cluster regarding the past standing of anywhere of worship and makes an attempt to reclaim the structures or the land on that they stood.

Main features:

- The Act declares that the non secular character of an area of worship shall still be identical because it was on August 15, 1947. It says not everybody shall convert anywhere of worship of any non secular denomination into one in all a unique denomination or section.

Exceptions:

- These provisions won't apply to monuments and sites coated by the traditional Monuments and archaeologic Sites and Remains Act, 1958; a suit that has been finally settled or disposed of; and any dispute that has been settled by the parties or conversion of anywhere that transpire by acquiescence before the Act commenced.
- Section five says that the Act doesn't apply to the place of worship

normally noted as Ram Janmabhoomi-Babri masjid in Ayodhya.

- Penal provision within the Act: The Act provides for imprisonment up to a few years and a fine for anyone contravening the prohibition.

Topic 36. EXTENDED PRODUCER RESPONSIBILITY

Importance for Prelims: Environment



The LG stressed the necessity to supply for a mechanism to effectively implement the Extended Producer Responsibility (EPR) concerning the gathering of e-waste and its process.

- Extended Producers Responsibility is actually the utilization of economic incentives to encourage makers to style environmentally friendly product by creating producers in control of their product management throughout

end-stage consumption.

- It differs from product office because it relieves the govt. from the burden of managing sure product by creating makers impute value } of employment inside the merchandise price.
- EPR is distributed bearing in mind that whole house owners have the best management over product style and thus ar in an exceedingly higher position to style their product in such a fashion that it'll scale back harmful effects on the surroundings as an entire.
- Extended Producers Responsibility is completed through, reuse, buyback, or employment.
- The producer has additionally the choice of relegating this responsibility to a third-party which may be paid by the producer for used-product management.
- This shifts the responsibility for waste management from the govt. to personal industries, creating it simple for producers or sellers to interiorise waste management and make sure the safe handling of their product.

Topic 37. LIGHTS OUT PHILLY INITIATIVE

Importance for Prelims: International Events

Bird Safe Philly proclaimed the Lights Out Philly initiative, a voluntary program within which as several external and internal lights in buildings area unit turned off or dim in the dead of night throughout the spring and fall.

- Lights Out Philly is that the results of a cooperative effort diode by the Academy of Natural Sciences of Drexel University, Delaware vale zoological science Club, creative person Mid- Atlantic, and 2 native creative person Society chapters — vale Forge and Wyncote.
- In addition to town of Philadelphia's workplace of property, the Bird Safe Philly initiative is supported by the Building homeowners and Managers Association (BOMA) Philadelphia and also the Building business Association of Philadelphia.
- The initial season of Lights Out Philly launches Gregorian calendar month one, at the beginning of peak spring migration and runs through could thirty one, once most winged migrants can have versed Philadelphia. within the fall, Lights Out Philly and peak migration can occur between August. 15 and Nov. fifteen as birds travel south.
- Each year tens of scores of birds go through Philadelphia throughout spring and fall whereas migrating between their breeding and wintering grounds.
- Many ne'er complete their epic journey as a result of they're killed once they fly into buildings and windows, confused by the intense artificial lights and glass.

Topic 38. 2001 FO32

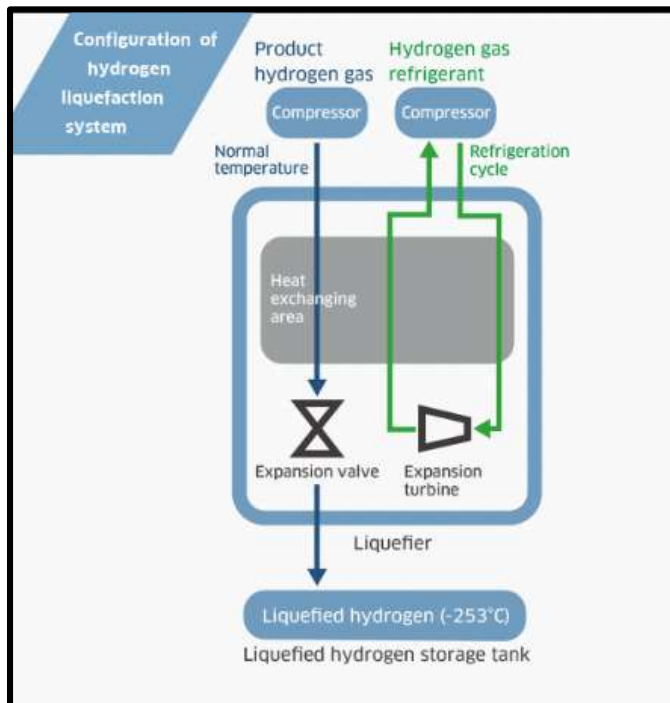
Importance for Prelims: Science & tech

On March twenty one, the biggest asteroid foreseen to go past Earth in 2021 are at its nighest. it's known as 2001 FO32.

- It could be a near-Earth asteroid classified as a probably venturesome asteroid of the Apollo cluster.
- With associate calculable diameter of 440–680 m (1,400–2,200 ft), it had been discovered by the Lincoln Near-Earth Asteroid analysis at Socorro, New Mexico on twenty three March 2001.
- The asteroid can safely go past Earth on twenty one March 2021.
- It won't come back nearer than two million klick to Earth, but still, that distance is move on astronomical terms, that is why 2001 FO32 has been selected a “potentially venturesome asteroid”.
- During this approach, 2001 FO32 can go past at concerning 124,000 kilometres per hour – quicker than the speed at that most asteroids encounter Earth.
- The reason for the asteroid's outstandingly speedy shut approach is its extremely eccentric orbit round the Sun, associate orbit that's tipped 39° to Earth's plane. This orbit takes the asteroid nearer to the Sun than Mercury, and double as faraway from the Sun as Mars.

Topic 39. LIQUEFIED HYDROGEN FROM BROWN CARBON

Importance for Prelims: Science & tech



A Japanese-Australian venture has begun manufacturing chemical element from humate during a A\$500 million (\$390 million) pilot program that aims to point out liquefied chemical element may be created commercially and exported safely overseas.

- Liquid chemical {element|element|gas} (LH2 or LH2) is that the liquid state of the element chemical element.
- Hydrogen is found naturally within the molecular H₂ kind.
- Liquefaction of chemical element needs cooling to a temperature of -253 °C and sequent storage in refrigerant containers. phase transition is associate degree energy intensive method and may consume up to thirty fifth of the energy within the hold on chemical element.
- The advantage of liquefied chemical element is its high density compared to gas, which suggests that additional energy may be contained during a given volume. this can be significantly helpful for transportation of

chemical element.

- Generally, phase transition of chemical element is barely applicable wherever it's created in giant quantities and can be transported in bulk (or over long distances).

Brown Carbon

- This category of organic carbon, familiar for its light-weight chromatic color, absorbs powerfully within the ultraviolet wavelengths and fewer considerably going into the visible.
- Types of brown carbon embrace tar materials from smoldering fires or coal combustion, breakdown merchandise from biomass burning, a combination of organic compounds emitted from soil, and volatile organic compounds given off by vegetation.

Brown carbon contributes $+0.25 \text{ W m}^{-2}$ or concerning nineteen of the overall atmospherical absorption by phylogeny aerosols, whereas seventy two is attributed to black carbon and Sept. 11 is thanks to the coating impact of salt and organic aerosols on black carbon.

Topic 40. STATE ELECTION COMMISSIONERS

Importance for Prelims: Polity

The Supreme Court control that freelance persons and not bureaucrats ought to be appointed State Election Commissioners.

- It same that giving government staff the extra charge of State Election Commissioners may be a “mockery of the Constitution”.
- The prime court directed that the States ought to appoint freelance persons as Election Commissioners right along the length and breadth of the country.
- The judgment criticized the state government for giving its Law Secretary the extra charge of State Election Commissioner.

Article 243K

- Article 243K deals with the Elections to the Panchayats.
- It states that The supervising, direction and management of the preparation of electoral rolls for, and also the conduct of, all elections to the Panchayats shall be unconditional during a State commission.
- It shall accommodates a State Election Commissioner to be appointed by the Governor.
- Subject to the provisions of any law created by the State legislative assembly, the conditions of service and tenure of workplace of the State Election Commissioner shall be like the Governor could by rule verify. However,
- The State Election Commissioner shall not be far from his workplace except in like manner and on variety ground as a decide of a tribunal.
- The conditions of service of the State Election Commissioner shall not be varied to his disadvantage when his appointment

Topic 41. INDEX OF INDUSTRIAL PRODUCTION

Importance for Prelims: Economy



India's IIP contracts to one.6% in Jan; retail inflation rises to five.03% in Feb.

- The Index of commercial Production (IIP) is AN index that shows the expansion rates in numerous business teams of the economy in an exceedingly fastened amount of your time.
- It is compiled and printed monthly by the Central applied math Organization (CSO), Ministry of Statistics and Programme Implementation.
- IIP may be a composite indicator that measures the expansion rate of business teams classified under: Broad sectors, namely, Mining, producing, and Electricity.
- Use-based sectors, specifically Basic product, Capital product, and Intermediate product.
- Base Year for IIP is 2011-2012.
- The eight core industries of India represent regarding four-hundredth of the load of things that square measure enclosed within the IIP.

Significance of IIP :

- IIP is that the solely live on the physical volume of production.
- It is employed by government agencies together with the Ministry of

Finance, the banking company of India, etc, for political functions.

- IIP remains very relevant for the calculation of the quarterly and advance value estimates.

Topic 42. AT1 BONDS

Importance for Prelims: Economics

The decision of the Securities and Exchange Board of Asian country (Sebi) to slap restrictions on open-end fund (MF) investments in extra tier-1 (AT1) bonds has raised a storm within the MF and banking sectors.

- AT-1 bonds are a sort of unsecured, perpetual bonds that banks issue to support their core capital base to satisfy the Basel-III norms.
- There are 2 routes through which these bonds may be acquired:
- Initial personal placement offers of AT-1 bonds by banks seeking to boost cash.
- Secondary market buys of already-traded AT-1 bonds.
- AT-1 bonds are like several alternative bonds issued by banks and corporations, however pay a rather higher rate of interest compared to alternative bonds.
- These bonds also are listed and traded on the exchanges. So, if an associate degree AT-1 investor desires cash, he will sell it within the secondary market.
- Investors cannot come to these bonds to the issue bank and obtain the cash. i.e. there's no place possibility on the market to its holders.
- However, the issue banks have the choice to recall AT-1 bonds issued by them (termed decision choices that permit banks to redeem them once five or ten years).
- Banks issue AT-1 bonds will skip interest payouts for a selected year or perhaps cut back the bonds' face price.
- AT-1 bonds are regulated by run batted in. If the run batted in feels that a bank desires a rescue, it will merely raise the bank to write down off its outstanding AT-1 bonds while not consulting its investors.

Topic 43. ORDINANCE

Importance for Prelims: Polity

Air quality commission shuts down once ordinance lapses.

- An ordinance is any law publicised by the President in those circumstances once the Indian parliament isn't in session.
- The ordinance creating powers of the President area unit listed in Article 123 of the Constitution.
- The President has sure law-making powers that aid him to promulgate ordinances once either of each the homes of Parliament isn't in session that makes enacting laws within the parliament out of question.
- An Ordinance is issued on any subject that the Parliament has the ability to ordain on. in this method, the president's powers area unit restricted within the same method because the Parliament is.

Limitations of the President's Power:

- The ordinance creating power of the manager is restricted through the following:
- The assembly isn't in session: The President will solely promulgate Associate in Nursing Ordinance once either of the 2 homes of Parliament isn't in session.
- Immediate action is required: The President cannot promulgate Associate in Nursing Ordinance unless he's happy that there area unit circumstances that need taking 'immediate action'.
- Parliamentary approval throughout the session: Ordinances should be approved by Parliament among six weeks of reassembling or they shall stop to control.
- They would additionally stop to control just in case resolutions unfavorable the Ordinance area unit gone along each the homes.

Features and Properties of the Ordinance:

- An ordinance is retrospective that's it is legislated from before the time it's approved.
- An ordinance publicised once Parliament is in session is taken into account null and void.
- The Ordinance so as to remain a law should be approved by the Parliament among six weeks from its refabrication. Its existence ceases just in case the parliament takes no action among six weeks from its refabrication.
- Acts and laws and happenings that passed off underneath the ordinance stay active until the time it lapses.
- Indian President is one in every of the rarest ones among the globe leaders to own the ability of constructing ordinances.
- The power of ordinance promulgation can not be thought-about a substitute for the President's legislative power.
- President's power to roll out ordinance is justiciable just in case intentions area unit evidenced jugal bone fide.
- Ordinances will solely be created on the themes wherever the Indian Parliament is allowed to form laws.
- Fundamental Rights of the voters warranted by the Indian Constitution can not be moved out through Associate in Nursing ordinance.
- The ordinance would even be thought-about void just in case each the homes pass a resolution unfavorable it.

Topic 44. LIGHTENING

Importance for Prelims: Geography

Gurugram: one dead, three contused once lightning strikes tree

- It may be a terribly speedy and big discharge of electricity within the atmosphere. it's the method of prevalence of a natural 'electrical discharge of terribly short length and high voltage between a cloud and therefore the ground or among a cloud', in the middle of a bright flash and sound, and generally thunderstorms.
- Inter cloud or intra cloud (IC) lightning ar visible and harmless.
- It is cloud to ground (CG) lightning, that is harmful because the 'high electrical voltage and electrical current' results in electrocution.

Process:

- It may be a results of the distinction in electrical charge between the highest and bottom of a cloud.
- The lightning-generating clouds ar usually concerning 10-12 kilometer tall, with their base concerning 1-2 kilometer from the Earth's surface. The temperatures at the highest vary from -35°C to -45°C .
- As vapor moves upwards within the cloud, it condenses into water because of decreasing temperatures. a large quantity of warmth is generated within the method, pushing the water molecules any up.
- As they move to temperatures below zero, droplets turn out to be little ice crystals. As they continue upwards, they gather mass, till they become thus significant that they begin downward-sloping.
- It results in a system wherever smaller ice crystals move upwards whereas larger ones come back down. The ensuing collisions trigger unharness of electrons, {in a|during a|in an exceedingly|in a terribly} method very just like the generation of electrical sparks. The moving free

electrons cause additional collisions and additional electrons resulting in a series reaction.

- The method ends up in a scenario within which the highest layer of the cloud gets charged whereas the center layer is charged.
- In very little time, a large current, of the order of lakhs to various amperes, starts to flow between the layers.
- It produces heat, resulting in the heating of the air column between the 2 layers of cloud.
- It is attributable to this heat that the air column appearance red throughout lightning.
- The heated air column expands and produces shock waves that end in thunder sounds.

Topic 45. OPERATION GREEN – TOP TO TOTAL

Importance for Prelims: Government Schemes

Aatmanirbhar Bharat Abhiyan 

From 'TOP' to TOTAL - Rs 500 crore

- **Operation Greens will be extended from Tomatoes, Onion and Potatoes (TOP) to ALL fruits and vegetables (TOTAL).**
- **Scheme features will be as follows:**
 - 50% subsidy on transportation from surplus to deficient markets.
 - 50% subsidy on storage, including cold storages.
- **Pilot for 6 months – Will be expanded and extended**
- **Expected outcomes: Better price realisation to farmers, reduced wastages, affordability of products for consumers**




The Ministry of Food process and Industries (MoFPI) has refused to provide assent to the Railways proposal last month to incorporate seven major things — tea leaves, bamboo, rubber, betel nut, black pepper, mustard, and soyabean — below “Operation Greens-TOP to Total”, that provides fifty per cent grant on transportation of fruits and vegetables.

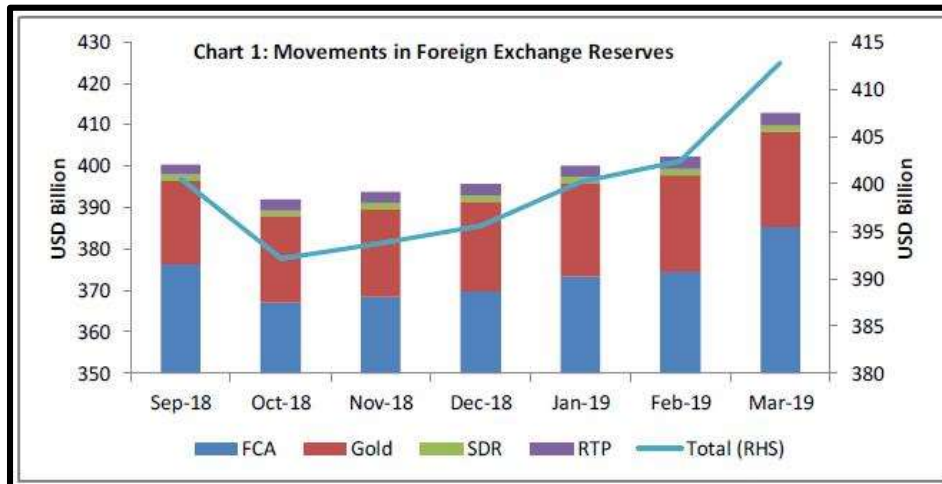
‘Operation Green’s high to TOTAL’ theme

- **Objective:** the target of intervention is to shield the growers of fruits and vegetables from creating distress sale because of internment and cut back the post-harvest losses.
- **Eligible Crops:** Fruits – Mango, Banana, Guava, Kiwi, Lichi, Papaya, Citrus, Pineapple, Pomegranate, Jackfruit; Vegetables – French beans, Bitter Gourd, Brinjal, Capsicum, Carrot, Cauliflower, Chillies (Green), Okra, Onion, Potato and Tomato.

- Any different fruit/vegetable is extra in future on the premise of advice by Ministry of Agriculture or authorities.
- **Eligible Entities:** Food Processors, FPO/FPC, Co-operative Societies, Individual farmers, licenced Commission Agent, Exporters, State Marketing/Co- operative Federation, Retailers etc. engaged in processing/ promoting of fruits and vegetables.
- **Pattern of Assistance:** The Ministry of FPI can give grant @ fifty you look after the price of the subsequent 2 parts, subject to the price norms:
- Transportation of eligible crops from surplus production cluster to consumption centre; and/or Hiring of applicable storage facilities for eligible crops (for most amount of three months).

Topic 46. FOREIGN EXCHANGE RESERVE

Importance for Prelims: Economics



The country's exchange reserves declined by \$4.255 billion to \$580.299 billion within the week all over March five, per run information.

- Foreign exchange reserves area unit assets persisted reserve by a financial organisation in foreign currencies, which might embrace bonds, treasury bills and alternative government securities.
- It has to be noted that the majority exchange reserves area unit control in U.S. dollars.
- These assets serve several functions however area unit most importantly control to confirm that the financial organisation has backup funds if the national currency quickly devalues or becomes altogether insolvent.

India's Forex Reserves include:

- Foreign Currency Assets
- Gold
- Special Drawing Rights
- Reserve position with the International money (IMF)

Foreign Currency Assets

- FCA area unit assets that area unit valued supported a currency apart from the country's own currency.

- FCA is that the largest part of the forex reserve. it's expressed in greenback terms.
- FCA includes the result of appreciation or depreciation of non-US units just like the monetary unit, pound and yen control within the exchange reserves.
- Currency appreciation refers to the rise in price of 1 currency relative to a different within the forex markets.
- Currency depreciation may be a fall within the price of a currency during a floating rate of exchange system.
- In a floating rate of exchange system, economic process (based on demand and provide of a currency) verify the worth of a currency.

Special Drawing Rights

- The SDR is a global reserve quality, created by the International money (IMF) in 1969 to supplement its member countries' official reserves.
- The SDR is neither a currency nor a claim on the IMF. Rather, it's a possible claim on the freely usable currencies of IMF members. SDRs are often changed for these currencies.
- The price of the SDR is calculated from a weighted basket of major currencies, as well as the U.S. dollar, the euro, Japanese yen, Chinese yuan, and pound.
- The charge per unit on SDRs or SDRi is that the interest paid to members on their SDR holdings.

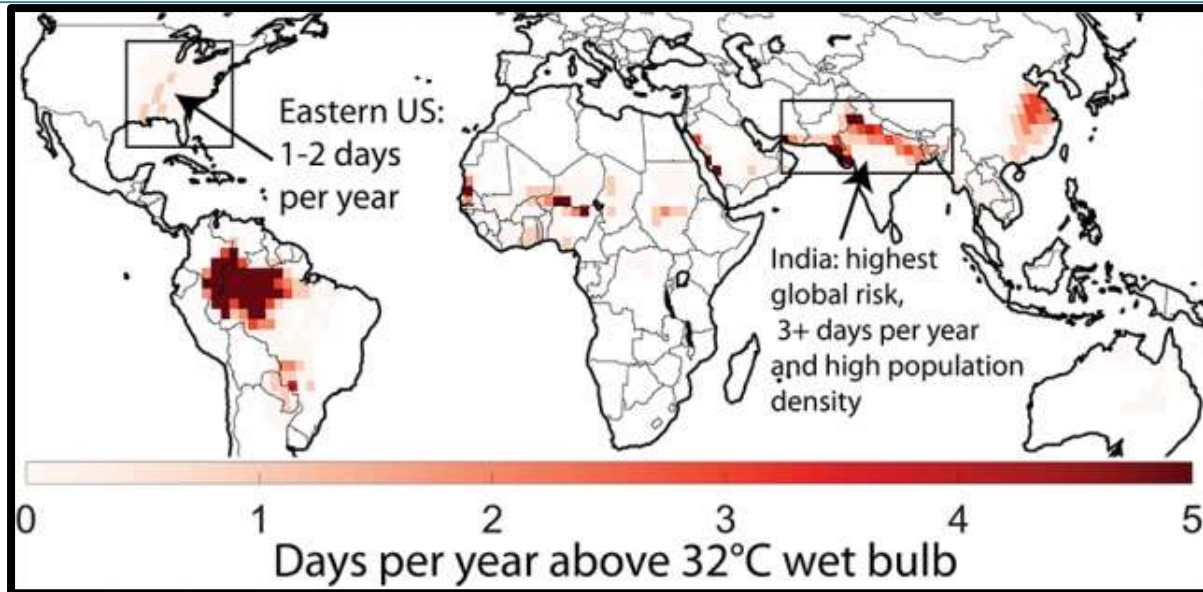
Reserve Position within the International money

- A reserve percentage position implies a little of the desired quota of currency every member country should offer to the International money (IMF) which will be utilised for its own functions.
- The reserve percentage is largely AN emergency account that IMF members will access at any time while not agreeing to conditions or

paying a charge.

Topic 47. EXTREME WET BULB TEMPERATURE

Importance for Prelims: Science & tech



A new study suggests that enormous swaths of the tropics can experience dangerous living and working conditions if heating isn't restricted to one.5 degrees Anders Celsius.

- A study revealed Mon suggests that sharply cutting emissions of greenhouse gases to remain below that limit, that is akin to concerning a pair of.7 degrees Fahrenheit of warming since 1900, can facilitate the tropics avoid episodes of high heat and high humidity — called extreme wet-bulb temperature, or TW — that transcend the bounds of human survival.

Extreme Wet Bulb Temperature

- The wet-bulb temperature (WBT) is that the temperature browse by a measuring system lined in water-soaked fabric (wet-bulb thermometer) over that air is passed.
- At 100 percent ratio, the wet-bulb temperature is adequate the air temperature (dry-bulb temperature); at lower humidity the wet-bulb temperature is not up to dry-bulb temperature due to physical change cooling.
- The wet-bulb temperature is outlined because the temperature of a parcel

of air cooled to saturation (100% relative humidity) by the evaporation of water into it, with the heat equipped by the parcel.

- A thermometer indicates a temperature getting ready to actuality (thermodynamic) wet-bulb temperature. The wet-bulb temperature is that the lowest temperature that may be reached underneath current close conditions by the evaporation of water solely.
- Even heat-adapted folks cannot perform traditional out of doors activities past a wet bulb temperature of thirty two °C (90 °F), akin to a heat index of fifty five °C (130 °F).
- The theoretical limit to human survival for quite a number of hours within the shade, even with unlimited water, is thirty five °C (95 °F) – on paper akin to a heat index of seventy °C (160 °F), tho' the warmth index doesn't go that prime.

Topic 48. PALAMU TIGER RESERVE

Importance for Prelims: Environment

Don't lay third railway track in core space of Palamu Tiger Reserve:

Jharkhand to Centre.

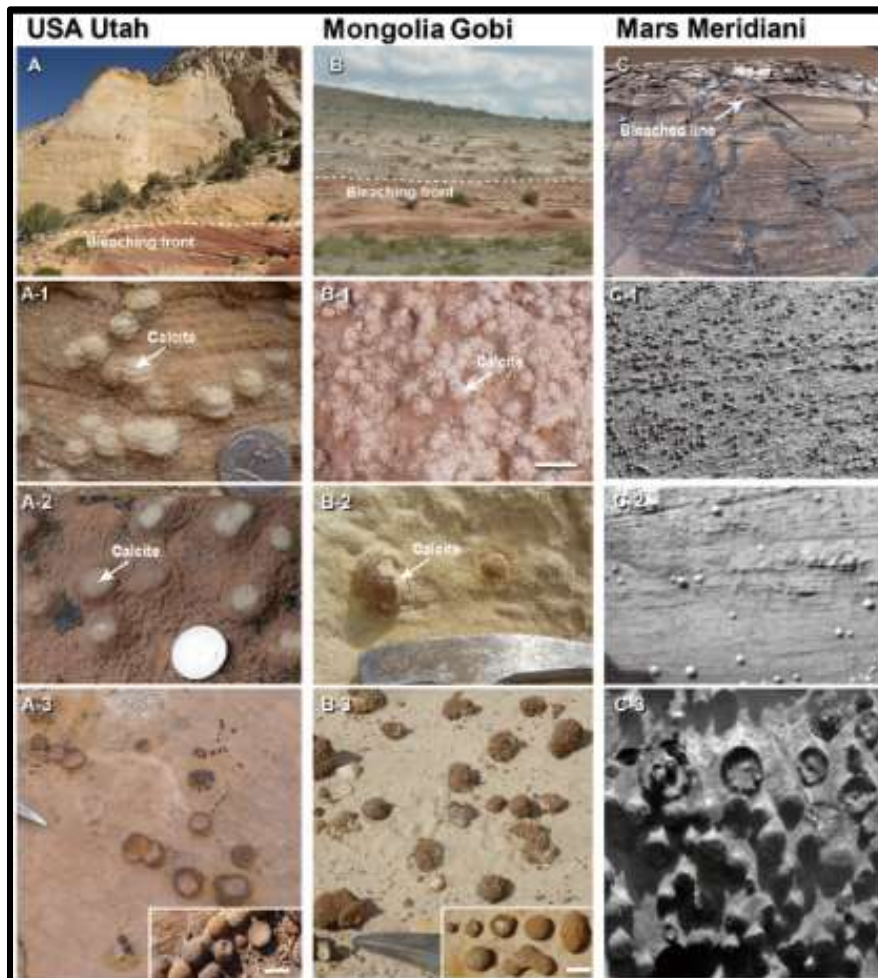
- The Palamau Tiger Reserve is one in all the 9 original tiger reserves in Jharkhand, India and therefore the only 1 during this state. It forms a part of Betla parkland and Palamau life Sanctuary.
- The space in Latehar District in Jharkhand was put aside as protected in 1974 beneath the Indian Forests Act. Before the formation of the reserve, the world was used for cows grazing and camping; it had been acutely liable to fire.[2] In 1973, the world was established because the Palamu Tiger Reserve.
- The tiger population is extraordinarily scarce and count them has become significantly tough thanks to Naxalite activities that have augmented since 1990. As of 2012, the count, mistreatment deoxyribonucleic acid to stop over-counting, is one male and 5 feminine tigers with the exception of tigers and elephants, leopards, gaurs, sambars and wild dogs sleep in the reserve. tho' the North Koel stream runs through the reserve, the animals rely upon semisynthetic holes for water, creating them simply accessible to humans.
- Over one hundred forty species of birds (including peafowl) are sharp-eyed within the reserve.

North Koel stream

1. North Koel stream rises on Ranchi tableland in Jharkhand.
2. It joins the sound unit stream many miles north-west of Haidarnagar.
3. It meanders through the northern a part of Betla parkland.

Topic 49. MARTIAN BLUEBERRIES

Importance for Prelims: Science & tech



Martian ‘blueberries’ notice a parallel on Earth. Similar hematite concretions are found in tannin, Gujarat.

- In 2004, NASA’s Mars exploration rover ‘Opportunity’ found many little spheres on the earth, informally named Martian blueberries.
- Opportunity’s spectrometers studied the geology and noted they were product of iron chemical compound compounds referred to as haematites. This caused excitement, because the presence of haematites suggests that there was water gift on Mars.
- The wide accepted formation mechanism of hematite concretion [hard

solid mass] is precipitation from liquid fluids.

- Haematite is understood to make in oxidising environments, and supported our expertise on Earth, we tend to infer that water should have additionally compete a vital role within the formation of gray hematite on Mars.

Opportunity & Spirit Rover Mission

- Opportunity was the second of the dual Mars Exploration Rovers to land on Mars in January 2004.
- It landed ninety days once its twin rover Spirit landed. Spirit landed at Gusev Crater and chance landed on the alternative facet of Mars at Meridiani Planum.
- NASA expected 90-day lifetimes for the rovers. each chance and Spirit so much exceeded their expected time period.
- Spirit's mission resulted in might 2011 once motion eight kilometers and chance had logged forty five kilometers before losing contact in Gregorian calendar month 2018.

Topic 50. PM 2.5 & NITROGEN DIOXIDE

Importance for Prelims: Environment

PM2.5 and NO₂ causative to the unfold and virulence of SARS-CoV-2 infections, says Health Minister.

PM 2.5

- 5 refers to particles that have diameter but a pair of .5 micrometres (more than one hundred times agent than somebody's hair) and stay suspended for extended.
- These particles area unit fashioned as a results of burning fuel and chemical reactions that crop up within the atmosphere. Natural processes like forest fires conjointly contribute to PM2.5 within the air. These particles are the first reason for incidence of smogginess.

Nitrogen oxide (NO_x)

- NO_x could be a generic term for the varied element oxides made throughout combustion.
- They area unit made in the main in combustion engines and coal-burning power plants.
- They are made naturally by lightning.
- Oxygen and element don't react at close temperatures. however at high temperatures, they manufacture varied oxides of element. Such temperatures arise within an interior combustion engine or an influence station boiler.
- Agricultural fertilization {and the|and therefore the|and conjointly the} use of nitrogen-fixing plants also contribute to region No_x, by promoting biological process by microorganisms.

Topic 51. COMMUNAL GO 1921

Importance for Prelims: History

With the Supreme Court activity itself to boost its previously-imposed ceiling of fifty per cent because the higher limit for reservations, the spiral of history has completed a full cycle in nearly precisely 100 years.

Communal GO

- In September 1921, the alleged “Communal GO” (or Government Order) was passed within the Madras Presidency by a provincial government LED by the Justice Party.
- The Communal GO was primarily a power-sharing agreement that had the blessings of the colonial government.
- It allotted government jobs and seats publicly education establishments to completely different communities in specific proportions.
- It was designed to see the near-monopoly of Brahmins on these opportunities despite the very fact that they established |deep-rooted|deep-seated|implanted|ingrained|planted|entrenched|habitual|legitimate|official|recognized|recognised|set up|grooved|well-grooved} solely about 3 per cent of the population.
- The GO conjointly signalled the arrival of fashionable politics, and was the fruits of a palmy campaign for electoral power by the alleged non-Brahmin movement spearheaded by the Justice Party.
- These government opportunities were to be shared among six communities:
- Brahmins, non-Brahmin Hindus, Mohammedans, Indian Christians, Anglo-Indians and Europeans, and others.
- But most vital here is that the explanation for this policy — it's not

supported any type of retardation or disadvantage. Rather, it's associate degree expressly political principle of sharing the state's resources and opportunities.

Topic 52. AGRICULTURAL MARKETING AND FARMER FRIENDLY REFORMS INDEX (AMFFRI)

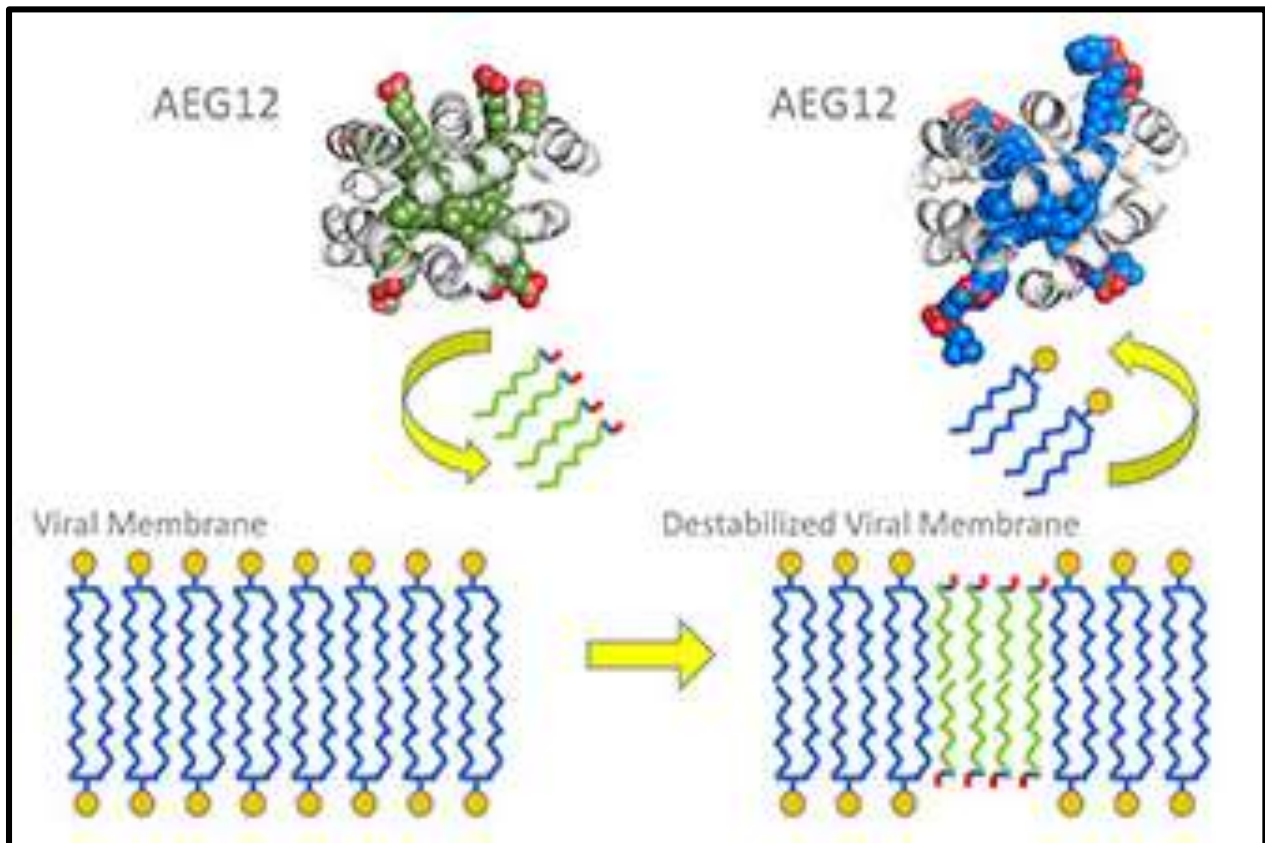
Importance for Prelims: Important Reports

It needs a distributed approach that takes under consideration peculiarities and constraints of states, investment in infrastructure and linking farmer producer teams with markets.

- This Index was launched by NITI Aayog.
- NITI Aayog has developed the primary ever ‘Agriculture selling and Farmer Friendly Reforms Index’ to sensitize states concerning the necessity to undertake reforms within the 3 key areas of Agriculture Market Reforms, Land Lease Reforms and biology on non-public Land (Felling and Transit of Trees).
- This indicator reveal simple doing commercial enterprise similarly as opportunities for farmers to learn from fashionable trade and commerce and have wider possibility available of her/his manufacture.
- The index carries a score with a minimum price “0” implying no reforms and most price “100” implying complete reforms within the elite areas.

Topic 53. MOSQUITO PROTEIN AEG12

Importance for Prelims: Science & tech



Mosquito supermolecule inhibits variety of viruses, raises hope against Covid too.

- A dipterous insect supermolecule, known as AEG12, powerfully inhibits the family of viruses that cause yellow jack, dengue, West Nile, and Zika, and conjointly infirm inhibits coronaviruses, in keeping with scientists at the United States National Institutes of Health (NIH) and their collaborators.
- The researchers found that AEG12 works by destabilizing the infectious agent envelope, breaking its protecting covering.
- Although the supermolecule doesn't associate degree effect on } viruses that don't have an envelope, like those who cause pink eye and bladder

infections, the findings could lead on to medicine against viruses that have an effect on numerous individuals round the world.

- The analysis was revealed on-line in PNAS.
- Scientists at the National Institute of Environmental Health Sciences (NIEHS), a part of bureau, used X-ray physical science to unravel the structure of AEG12.

Topic 54. SHETRUNJAY DUNGAR RESERVE FOREST

Importance for Prelims: Environment

Fire engulfs nearly two hundred hectares in Shetrunjay, brought in check.

Shatrunjaya or Shetrunjaya (“place of ending against inner enemies”) originally Pundarikgiri), ar hills set by the town of Palitana, in Bhavnagar district, Gujarat, India.

- They are placed on the banks of the Shetrunji stream at an elevation 164 feet (50 m) on top of water level. These hills have similarities to different hills wherever Jain temples are inbuilt province, Gwalior, Mount Abu and Girnar.
- Shetrunjay Hills reserve forest space, a environment of Asiatic lions, in Bhavnagar territorial forest division.
- The Shetrunjay Dunagar Reserve Forest, a patch of unsmooth, dry and deciduous forest, is home to Asiatic lions and leopards furthermore as herbivores like blue bulls.

Topic 55. NATIONAL POPULATION REGISTER

Importance for Prelims: Governance

Centre seemingly to permit residents to fill their NPR details on-line.

National Population Register

- It may be a list of “usual residents of the country”.
- A “usual resident of the country” is one WHO has been residing in a very native space for a minimum of the last six months, or intends to remain in a very explicit location for succeeding six months.

Legal Provisions:

- The NPR is being ready below provisions of the votership Act 1955 and also the Citizenship (Registration of Citizens and Issue of National Identity Cards) Rules, 2003.
- It is obligatory for each “usual resident of India” to register within the NPR.

Background:

- The information for the NPR was initial collected in 2010 at the side of the house listing section of Census 2011.
- In 2015, this information was more updated by conducting a door-to-door survey.
- However, with the utilization of Aadhaar because the key vehicle for transfer of state advantages within the previous couple of years, the NPR has taken a backseat.

Scope:

- The NPR exercise is conducted at the native, sub-district, district, state and national levels.
- The NPR can collect each demographic information and biometric

information. Biometric information are going to be updated through Aadhar details.

- In the 2010 exercise, the RGI had collected solely demographic details.
- In 2015, it updated the information more with the mobile, Aadhaar and card numbers of residents.
- For the 2020 exercise, it's born the card range however more alternative classes.

NPR and also the NRC:

- Unlike the independent agency, the NPR isn't a citizenship enumeration drive, because it would record even a foreigner staying in a very section for over six months.
- With the govt insistence that the independent agency would be enforced across the country, the NPR has raised anxieties round the plan of citizenship within the country.
- All this can be happening within the backcloth of the independent agency in state that has excluded nineteen hundred thousand among the three.3 large integer WHO had applied.
- NRC nationwide would solely happen on the idea of the forthcoming NPR.
- After an inventory of residents is made (i.e. NPR), a nationwide independent agency may approach supportive the voters from that list.

Topic 56. RIVER SARASVATI

Importance for Prelims: Geography / History

The Centre has reconstituted associate informative committee to sketch a concept for learning the legendary Hindu deity watercourse for future 2 years, when the sooner panel's term resulted in 2019.

- The Hindu deity watercourse is one in all the most Rigvedic rivers mentioned within the scripture Rig sacred writing and later religious text and post-Vedic texts.
- The 'Sapta Sindhu' in Rig sacred writing refers to the rivers Saraswati, Satadru (Sutlej), Vipasa (Beas), Asikni (Chenab), Purushni (Ravi), Vitasta (Jhelum) and Sindhu (Indus).
- Among these, the Saraswati and therefore the Sindhu were major rivers that flowed from the mountains right up to the ocean.
- For 2000 years, between 6000 and 4000 B.C., the Saraswati flowed as an excellent watercourse.
- The watercourse, that had originated from Kapal tirith within the Himalaya Mountains within the west of Kailash, was flowing southward to Mansarovar and so taking a flip towards west.

Topic 57 REPORT BY INDEX MONITORING CELL

Importance for Prelims: Important Reports

Veteran journalist strikes a negative note in Index watching Cell report.

- Pointing out that the proper to dissent ought to be the central focus of press freedom, freelance journalist P. Sainath stricken a negative note within the report submitted by the Index watching Cell (IMC)
- It is ready up by the knowledge associate degreeed Broadcasting Ministry with stakeholders to boost India's ranking within the World Press Freedom Index and to evolve an objective yardstick to measure media freedom.
- The 15-member committee, has four journalists and government functionaries.
- Chaired by Kuldeep Singh Dhatwalia, Principal Director General of the Press info Bureau, the committee has ten government workers.
- Among the key recommendations is that the decriminalising of defamation. India is one among the few countries within the world to illegalize defamation.
- The panel has conjointly suggested that consent of the Press Council of India may be a requirement before filing associate degree FIR against the media or a publication.
- The meeting of the panel comes within the scene of a gentle decline in India's ranking in press freedom.

World Press Freedom Index

- It has been printed per annum since 2002 by Reporters Sans Frontieres (RSF) or Reporters without boundary lines.
- Based in Paris, RSF is associate degree freelance nongovernmental

organization with informatory standing with the international organisation, UNESCO, the Council of Europe and therefore the alignment of the Francophonie (OIF).

- OIF may be a fifty four french speaking nations collective.
- The Index ranks a hundred and eighty countries and regions consistent with the amount of freedom on the market to journalists.
- The parameters embrace school of thought, media independence, media atmosphere and self-censorship, legislative framework, transparency, and therefore the quality of the infrastructure that supports the assembly of reports and data.