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**MADE EASY
WEEKLY
CURRENT AFFAIRS**

WEEK-2

08th December - 14th December

Targeted Examinations:

**CSE, ESE, PSUs, State Exams,
SSC and Banking Exams**

8th DECEMBER 2020

Reciprocal Access to Tibet Act

- The Mutual Access to Tibet Act is a US legislation that was passed by the Trump administration in December 2018. This legislation calls for the denial of entry to the US by Chinese authorities known to be interested in limiting visits to Tibet.
- The aim of this legislation is to force China to make the Himalayan region more open and transparent. Recently, a senior US diplomat has called on other countries to introduce regulations close to that of the Reciprocal Access to Tibet Act.

Background:

- In 1959, the 85-year-old Dalai Lama fled to India after a Chinese crackdown on the rebellion by the indigenous population in Tibet.
- India then provided political asylum to the Dalai Lama. The Tibetan Government in exile is now headquartered in Dharamshala, Himachal Pradesh.

China-Tibet:

- Tibet is now an autonomous province-level zone in South West China. It is also China's second largest province-level division.
- In 1950, the Chinese army marched into Tibet, defeating the Tibetan army in the Chamdo region. In 1951, China and Tibet reached a 17-point agreement confirming the incorporation of Tibet.

Tibet:

- Tibet is the highest region in the world. It is located in the Himalayas. The world's highest peak Mt Everest is located in Tibet. The Tibetan Plateau called the "Roof of the World" is located in the autonomous region of Tibet.

LiDAR Technique

- The Indian Railways shall use the LiDAR technique to perform a ground survey of the Delhi Varanasi High Speed Rail Corridor. LiDAR is the Light Detection and Ranging technique.

About LiDAR:

- It is a remote sensing system that uses light in the form of a pulsed laser to determine the distances available in the world. The light bursts in the device produce three-dimensional knowledge on the shape of the earth and its surface characteristics.
- The LiDAR system consists of a scanner, a laser and a GPS receiver. Helicopters and aeroplanes are the most widely used vehicles for the acquisition of LiDAR data.
- There are two types of LiDAR, Topographic and Bathymetric. The topographic LiDAR uses infrared lasers to map the land. On the other hand, the bathymetric LiDAR uses water penetrating green light and measures river bed elevations and sea floors.

UN Investment Promotion Award

- The United Nations Conference on Trade and Development (UNCTAD) recently declared "Invest India" as the winner of the United Nations Investment Promotion Award, 2020.
- This proves that in spite of being the second most populous country in the world, India's innovation helped to control the spread of COVID-19 in the country.

United Nations Conference on Trade and Development (UNCTAD):

- The UNCTAD is dealing with commerce, finance and growth concerns. The primary purpose of the company is to increase trade and investment.
- It was founded in 1964. Reports such as the Trade and Development Report and the World Investment Report are released.

UNESCO World Heritage City

- The cities of Orchha and Gwalior of Madhya Pradesh have been included in the UNESCO list of World Heritage Cities.

Orchha city:

- The city is renowned for its palaces and temples and was the capital of the Kingdom of Bundela in the 16th century.
- The town's prominent landmarks are Jahangir Mahal, Raj Mahal, Rai Praveen Mahal, Ram Raja Temple and Lakshmi Narayan Mandir. After the city has been listed in the World Heritage list, historic sites such as Gujri Mahal, Mansingh Palace and Sahastra Bahu Temple will be chemically treated.
- This is to be done to make the art inscribed in these places more visible. Also, guards are to be posted in these spots to welcome the tourists according to the Indian traditions.

Gwalior

- The town of Gwalior is renowned for its temples and palaces. The Gwalior Fort is approached by a winding path lined with holy Jain statues and a sandstone plateau.
- It is now an archaeological site with high walls of the 15th century. The town of Gwalior was founded in the 9th century and was ruled by Rajvansh, Baghel Kachvaho, Tomar and Scindias.

UNESCO World Heritage site:

- The UNESCO World Heritage Site Tags are issued by the United Nations Educational, Scientific and Cultural Organisation.
- The list of World Heritage sites is administered by the UNESCO World Heritage Committee. The Committee shall be composed of 21 National Parties and shall be chosen by the United Nations General Assembly. The programme was initiated by UNESCO in 1972 and has been ratified by 193 countries.
- In order to be included in the set, the venue should have a unique landmark. They ought to be traditionally and geographically recognisable.

Havana Syndrome

- The National Academy of Sciences has recently discovered that microwave radiation is the primary source of a peculiar neurological disease called Havana Syndrome.

- The Havana Syndrome has been infecting American diplomats and intelligence officials based in China, Cuba and other countries for more than four years.

About Havana Syndrome:

- In 2016, US diplomats and intelligence officials in Havana reported hearing strange sounds and physical sensations in their homes and hotel rooms.
- The strange physical sensations were followed by extreme headache, nausea, dizziness, exhaustion, hearing loss and sleep issues. Since then the disorder has come to be known as Havana Syndrome.

Tharu Tribals

- The government of Uttar Pradesh has recently initiated a scheme to take over the special culture of the Tharu tribes all over the country.
- The goal of the scheme is to position these tribal villages on a tourism map. This would build employment and bring economic freedom to the tribal people of the region.

About Tharu tribals:

- They belong to the lowlands of the Shivalik or the lower Himalayas. Most of these inhabitants are woodland dwellers who practise agriculture. The term Tharu is the adherents of Theravada Buddhism.
- The Tharu tribes are dispersed in both Nepal and India. They are primarily spread in Bihar, Uttarakhand and Uttar Pradesh in India.
- According to the 2011 census, the total population of the Scheduled Tribe of Uttar Pradesh was 11 lakhs. This is expected to rise to 20 lakhs now.

Key points regarding tribes:

- The Tharu Tribes speak the language of Tharu. It is the tongue of the Indo-Aryan subgroup and the Urdu, Hindi and Awadhi variants. A version of Bhojpuri is spoken by the Tharu of Nepal. Peace tribes worship Lord Shiva as Mahadev. Take all of their Supreme to be Narayan.
- According to them, Narayan is a provider of rain, sunlight and harvesting. Tharu women have more land rights than those accorded to women in modern Hindu traditions in North India.

Operation Blackface, TRACE and Crawler

- Maharashtra Police's cyber wing has recently acquired INTERPOL's "Crawler" software to help track child pornography. A core team of 12 officers has been set up to carry out a task concerning the software.
- These twelve officers went to the South Asian wing of INTERPOL for preparation. The unit was called TRACE. TRACE is a tactical approach to cyber child exploitation.

About Crawler software:

- The programme obtained from INTERPOL uses a number of techniques, such as the identification of nudity in photographs and the recognition of the age of the individual by their facial structures.
- It has a built-in algorithm that searches for keywords such as child pornography. The algorithm would then monitor the forums that use keywords to commit these crimes.

About TRACE:

- The TRACE unit has been set up as part of a wider fight against child sexual abuse (CSAM) around the country since 2019. The team has recently trained about 270 policemen across Maharashtra to use this programme to monitor these incidents.
- The Maharashtra cyber-police has started to forward the complaints to the districts where the FIRs are registered. Some 50 suspects have been put under investigation so far.

Operation Blackface:

- This is part of the acts of the Maharashtra State Police against Child Sexual Abuse Data. The activity requires the use of Crawler tools and the deployment of the TRACE squad.

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Lakshadweep declared 100% Organic

- The Ministry of Agriculture and Farmers has declared the Union Territory of Lakshadweep an organic agricultural area.

- The UT is second to Sikkim to attain the status of a 100% organic region. It is the first time the status has been obtained in the Union Territories of India.

About Organic Farming:

- Organic farming is a practise involving the growing of plants and the rearing of animals in a natural manner. Stop the use of toxic chemicals to prevent soil fertility and ecosystem balances.
- The goal of organic farming is to minimise waste and contamination. This includes biochemical methods.

NOTE:

- Paramparaghat Krishi Vikas Yojana has been introduced to encourage organic farming with a participatory pledge certification scheme. It involves training, cluster training, marketing and certification.
- Uttarakhand was the first state to introduce an organic farming scheme in 2000. Sikkim was the first state to become 100% organic.

One Nation One Card-Recent Developments

- Currently nine states have completed the One Nation Card Reform Program. They're Andhra Pradesh, Karnataka, Telangana, Kerala, Haryana, Gujarat, Goa, Uttar Pradesh, Tripura.
- The Central Government has authorised these nine States to raise their additional 23,523 crores of ropes under the One Nation One Card Scheme.
- The initiatives set out in the One-Nation Card Scheme include ease of business, reform of the power sector and reform of urban local bodies.

About One Nation One Card:

- The scheme has been launched to ensure that all recipients, in particular migrants, can access the Public Distribution System from anywhere in the country. This will improve the independence of the beneficiaries as they are not bound to a single PDS store. The scheme is being introduced in compliance with the National Food Protection Act.
- The goal is to remove fake ration cards, ineligible ration cards and duplicate ration cards.

Public Wi-Fi Access Network Interface (PM-WANI)

- The Union Cabinet has recently approved the development of Wi-Fi networks in India.
- The public Wi-Fi network interface is called PM-WANI. PM-WANI would encourage the development of Wi-Fi networks in the country.
- The Public Data Office will maintain, establish and operate WANI compliant Wi-Fi Access points. These PDOs will deliver broadband services to subscribers.

Benefit:

- It will encourage the development of public Wi-Fi networks around the world. This will in fact, lead to the spread of broadband internet, jobs, income growth and empowerment.

Go for Zero policy

- The “Go for Zero” policy of Australia helped the country to bring down its COVID-19 cases.

Key Points:

- Australia's Go for Zero Program was proposed by the Grattan Institute, a non-profit think tank that supports the government. In addition to extending the research of covid-19, Australia has expanded touch tracing and compulsory isolation.
- The government implemented a QR code-based framework to resolve the problem of quarantine-breaking travellers. This method helped to track the individual in question.
- Some Australian states, such as Victoria, have also deployed police to carry out spot checks on individuals who are told to be in isolation.
- Hot hotels or health hotels have been created. These hotels are built for symptomatic travellers. This stopped clusters from forming.

5G NR in India

- Nokia has started production of the next generation of 5G equipment in India. It is the first in India to generate 5G NR in India.

- 5G NR is 5G New Radio. It is a new radio access technology developed for the fifth-generation mobile network. It was designed to be the standard for the interface of 5G networks.

Key Points:

- The 5G New Radio (NR) is a recent breakthrough in telecommunications networks which has been developed to become a benchmark for the 5G network air interface.
- The 5G NR research started in 2015 and is now being implemented by major telecommunications firms such as Nokia, Ericson, etc.
- The 5G NR offers major upgrades, such as increased operating stability, scalability and performance, both in terms of power consumption and spectrum.
- New technologies can offer high-bandwidth connectivity, such as broadcasting of extremely high-quality video and low-latency communications, such as remote control of vehicle communications, computer control, etc.
- Mobile use is rising exponentially in the world, and 5G would intensify this trend. In general, the advantage of using higher frequency is that it is much larger and requires higher signal bandwidths. They advocate higher data throughput speeds.

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Asian Development Outlook 2020

- The Asian Development Bank has recently published the Asian Development Outlook. According to the Asian Development Bank's forecast, the Indian economy is expected to contract by -8% in the 2020-21 fiscal year.
- According to the Asian Development Outlook, developing Asia is expected to contract by 0.4% in 2020 and expand by 6.8% in 2021. The Asian Development Bank has stated that South Asia will rise at 7.2% in the 2020-21 fiscal year.

Key findings:

- According to the Asian Growth Outlook issued by the Asian Development Bank, inflation is projected to decrease in the coming months. According to the report, it is to be held at 4% in India.

- The study also reports that the supply chain instability in India raised food inflation to 9.1% in the first seven months of 2020. This raised the headline inflation to 6.9%.
- According to the report on agriculture, development in India is increasing and fixed investment is decreasing. The net exports contributed to 3.4% growth in Q2.

Pagri Sambhal Jatta Movement

- Farmers' continuing demonstrations against the newly passed farm regulations are close to farmers' protests in 1907. The farmers then protested against three British laws, namely the Punjab Land Colonization Act, the Doab Bari Act and the Punjab Land alienation Act.

About Pagri Sambhal Jatta movement

- In 1907, Bhagat Singh's uncle, Ajit Singh Sandhu, spearheaded a protest against the constitution. It was later renamed the Pagri Sambhal Jatta movement. Pagri Sambhal Jatta was a song penned by Banke Dayal. He was Jhang Sayal's editor. Soon the song became the anthem of the movement.
- Ajit Singh wrote an autobiography called Buried Alive.
- The Pagri Sambhal Jatta movement started to spread from the peasant class to the army.

Bharat Mata society:

- It was also named Watan Mehboobane. It was an underground group founded by Ajit Singh and his associates. The primary goal of the group was to re-establish the revolt of 1857.

Eco-Bridges or Eco-ducts

- The Ramnagar Forest Division in the Nainital district of Uttarakhand constructed the first eco-bridges for small mammals and reptiles.

About Eco-Bridges:

- Eco-Bridges or Eco-Ducts are built to improve habitat communication, which is typically interrupted by logging or highways.

- It requires concrete underpasses, canopy bridges or overpass tunnels, amphibious tunnels. These bridges are typically overlaid with the area planting to give a contiguous look to the landscape. Eco-bridges can feature overpasses, fish ladders, green roofs, tunnels and canopy bridges.
- The two main aspects considered in building the eco bridges are size and location. These bridges should be built based on the animal movement patterns.

First Five Animal Bridges in India

- Bridges have been designed to discourage disruptions in the Ranthambore Wildlife Corridor. The first five animal bridges are on the Delhi-Mumbai Expressway.
- These animal bridges can help to prevent a man-animal confrontation. Ranthambore National Park is situated in the town of Rajasthan. It was declared the Tiger Reserve Project in 1973.

Climate Change Performance Index

- The Global Climate Change Efficiency Index has recently been issued by the New Climate Institute, Germanwatch and May (Climate Action Network).
- The index is prepared by evaluating the success of fifty-seven countries in four categories: clean energies, GHG emissions, climate policy and energy consumption.
- The index aims to enable comparison of mitigation efforts, enhance transparency in international climate politics.

Key Findings

- India remained the top ten in the Climate Change Efficiency Index for the second consecutive year. China, one of the major contributors of greenhouse gases, ranked 33rd. In 2020, India slipped to the 10th place. India was 31st in 2014.
- None of the countries is in the top three. This was because none of the countries were in the process of achieving their obligation to the Paris Agreement. Sweden finished fourth, followed by the United Kingdom, Denmark, Morocco, Norway and Chile.

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Narrow Band IoT Network

- BSNL, in collaboration with Skylo, revealed the world's first Narrow Band Internet of Things satellite network in India.
- This is to make a revolution in the satellite-based narrowband Internet of Things technologies. It will also help to achieve the goals of the Digital India Project to help farmers, fishermen, meaning, construction and logistics companies in India.

Key Points:

- It is the Low Power Wide Area (LPWA) technology that has been developed to allow a wide variety of modern Internet devices. It primarily increases the power usage of the equipment, the performance of the bandwidth and the capacity of the machine. Products can reach a battery life of more than 10 years under this technology.
- The technology is highly affordable for linking two vehicles and other IoT products.
- Technology channels and physical layer signals are configured to meet the requirements of expanded coverage, especially deep in doors and rural areas. It's a lot easier than GPRS or GSM Technology.

About GPRS and GSM:

- GPRS is a General Packet Radio Service. GSM is a Global System for Mobile communication.
- The GSM was created to define the protocols for 2G wireless cellular networks. It was first carried out in Finland in 1991. In the 2010s, the world benchmark for mobile communications became more than 90% market share.
- The GPRS is a mobile data standard introduced for 2G and 3G mobile networks. Both GSM and GPRS have been developed by the European Telecommunications Standards Institute.

Koilwar Bridge

- The Ministry of Road and Highways of the Union has inaugurated the Koilwar Bridge over the Sone River in Bihar. The bridge was designed at the cost of 256 crores.

- The Koilwar Bridge was the longest bridge in India between 1862 and 1900. It was inaugurated by Lord Elgin, then viceroy of India. The bridge is also known as the Abdul Bari Bridge.

Sone River:

- It's also called the River Son. The River Sone is one of the main tributaries of the Ganges River. It originates near Amarkantak, Madhya Pradesh.
- Amarkantak is a pilgrim town and is a rare natural heritage site and the meeting place of Vindhya and Satpura. Amarkantak is also the starting point for Narmada and the Johila River.

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Data Sonification

- The National Aeronautics and Space Administration (NASA) recently posted a crab nebula sonification video. The video reveals the Nebula is turned into music based on its various colours. The blue shades have been turned into bass and white shades into wood winds.
- Nebula is an interstellar cloud of hydrogen, dust, helium and ionised gas.

About Data Sonification:

- The sonification of data is the use of sound to reflect data. It's the auditory version of the data visualisations. The project allows users to hear a variety of astronomical events, such as the birth of a star, a black hole, the birth of a cloud or dust.
- NASA Space Telescopes gather massive digital data before translating it to images. This digital data is a reflection of the various wavelengths of light and radiation in space.
- The human eye cannot see them. NASA's Chandra project has converted these digital data into music. The latest release of Nebula was part of the Chandra project and the NASA Sonification Project. So far the Chandra project has published sounds from the Galactic Center, Pills of Formation and Cassiopeia.

Galactic centre:

- The Galactic Center is the rotational centre of the Milky Way galaxy. It consists of neutron stars, dwarf stars, clouds of dust and gas, and a super massive black hole called Sagittarius A. The Galactic Core contains 4 million times as much as the Sun.

Micro-climatic Zone Shifting

- The study on “Preparing India for climate events” was recently published by the Council on Energy, Environment and Water. This is the first time the extreme weather event hotspots in India have been mapped.

Key findings:

- The unpredictability, severity and frequency of extreme events in India have increased. The extreme climate events that India experienced between 1970 and 2005 were 250. India, on the other hand, observed 310 extreme weather incidents between 2005 and 2020.
- The study showed that the incidence of flood incidents in the world has risen by eight times in the last 50 years.
- According to the report, more than 40% of Indian districts are experiencing a change in trends of extreme incidents.

About Micro climatic zone shifting:

- Micro-climatic zones are places where the temperature is different from the surrounding areas. The key factors found for the shift in the micro-climate region are the loss of wetlands, shifts in patterns of land use, encroachment on natural habitats and urban heat island.
- Urban heat Island happens when a city or territory receives higher temperatures than surrounding rural areas. These urban heat islands trap local heat and are a significant cause of micro-climatic zone changes.

Association of Buddhist Tour Operator (ABTO) International Convention

- The Ministry of state for tourism and culture inaugurated the Association of Buddhist tour operators International Convention in New Delhi. The convention is to be held in partnership with the Ministry of Tourism.

Prasad scheme:

- This is the Pilgrimage Rejuvenation and Spirituality Augmentation Drive. It was released in 2015. The key goal of the scheme is to incorporate the development of pilgrimage destinations in a scheduled and sustainable manner.
- The scheme listed 12 cities for the creation of pilgrimages and heritage destinations. They are Kamakhya of Assam, Amaravati of Andhra Pradesh, Gaya of Bihar, Dwarka of Gujarat, Amritsar of Punjab, Puri of Odisha, Ajmer of Rajasthan, Kedarnath of Uttarakhand, Velankanni of Tamilnadu, Kanchipuram of Tamilnadu, Varanasi of Uttar Pradesh and Mathura of Uttar Pradesh.
- The key goals of the scheme include improving the appeal of tourism, encouraging local arts and entertainment, cooking and crafts. It also seeks to build a world-class system for religious destinations.

Fitness Ka Dose Aadha Ghanta Roz Campaign

- The Fitness Ka Dose Aadha Ghanta Roz Campaign was recently applauded by the World Health Organization.
- The campaign has been posted to endorse its efforts to encourage physical activity. The initiative has been initiated as part of the Suit India Movement.
- It was initiated by the Minister of Youth and Sports of the Union, Kiren Rijju. The campaign has recently obtained funding from celebrities in diverse fields, including sportsmen, doctors, Bollywood and fitness influencers. The campaign encourages Indian people to follow 30 minutes of exercise per day.

Need:

- Lifestyle diseases are on the rise in India. Lifestyle syndromes include obesity, depression, cardiovascular disease, diabetes, etc. More than 57% of the population in main cities such as Chennai, Delhi and Hyderabad is overweight.
- According to the Indian Medical Research Council, mortality from non-communicable diseases in India rose from 37% in 1990 to 61.8% in 2016.

NOTE:

Fit India Movement was unveiled by Prime Minister Narendra Modi on the eve of the 2019 National Sports Day. This is a multi-ministerial project. It seeks to bring about cultural transformation through the implementation of fitness activities in the everyday lives of Indians.

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Unified Development Control and Promotion Regulations

- The Unified Development Control and Promotion Regulations (UDCPR) were unveiled by the government of Maharashtra to improve the development of real estate in the state.

Key Features:

- This modern series of laws regulates the production of real estate. These rules can bring continuity in the width of the paths, the size of the rooms, etc.
- This is to expand the supply of affordable housing programmes and to boost the ease of doing business. It will help developers improve their resource management.
- Regulations forbid development of areas between the blue flood line and the river bank within 100 metres of the high flood line of natural reservoirs.
- On one side, the red flood line marks the flood line once in a hundred years. The flood line shall be the highest height to be achieved by the flood waters.

- The Regulations specify that 10% of all design can be used for leisure purposes.
- The Regulations further require that 5 percent of the layout up to 10,000 square metres and 10 percent of the layout over 10,000 square metres shall be reserved for amenities.

International Climate Ambition Summit

- The Paris Climate Agreement has concluded its fifth anniversary. The purpose of the Paris Agreement is to reduce the rise in global warming temperatures far below two degrees Celsius, a task that the planet has yet to accomplish.
- To mark the moment, the United Kingdom called for a Global Climate Summit. It is also named the International Conference on Climate Ambition.

Key Highlights:

- The International Climate Change Summit was coordinated and co-hosted by the United States, the United Kingdom and France, in collaboration with Chile and Italy.
- The goal of the summit was to highlight the successes of nations, cities, industry towards net zero carbon emissions and developing climate finance. The summit is a precursor of the 26th COP set to take place in Glasgow in 2021.
- Member States offered a thorough discussion of NDCs, long-term measures to reach zero emissions and transition plans and policies.
- According to the Ministry of Atmosphere, Forestry and Climate Change, the US has 25 percent of all emissions, Europe has 22 percent of emissions, China has 13 percent and India has just 3 percent of the world's emissions.

Asia-Pacific Vaccine Access Facility (APVAX)

- The Asian Development Bank has recently initiated the Asia-Pacific Vaccine Access Facility to offer equal assistance to developing countries in the production and distribution of vaccines.

Key Highlights:

- It will help developed countries in Asia and will make attempts to include vaccines against deadly viruses. If a nation has to receive financing under APVAX, the following conditions should be followed.
 - It has to be procured via COVAX.
 - It should be pre-qualified by the World Health Organisation
 - It should be approved by a strict regulatory authority.
 - Previous ADB financial aid for COVID-19
- The Asian Development Bank has already approved the 500 million USD vaccine import facility as part of the bank's trade and supply chain financing programme.
- The bank has pledged USD 1 billion to co-finance with the private sector in the importation of VOCID-19 vaccines.

India-Uzbekistan sign Agreements

- India and Uzbekistan have held a virtual summit to discuss bilateral relations. During the summit, Indian Prime Minister held talks with his counterpart in Uzbekistan. The summit focused primarily on extremism, terrorism and radicalism.

Key Highlights:

- At the summit, the countries concluded agreements to speed up the efforts of the mutual investment treaty. Such agreements on green energies, Emerging Infrastructure, Economic building programmes, data security, digital media have already been signed.
- In 2019, India and Uzbekistan signed three Memorandum of Understanding on Security in order to reinforce cooperation in military medicine and military education.

India-Uzbekistan Nuclear Deal:

- In January 2019, India and Uzbekistan signed a nuclear agreement on the long-term supply of uranium to India. Uzbekistan is the seventh biggest uranium exporter in the world.
- After Kazakhstan, Uzbek is the second Central Asian nation to export uranium to India.

■ NOTE:

Dustlik 2019 is a joint military exercise between India and Uzbekistan. The first Dustlik military exercise took place in 2019.

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CinemaSCOpe

- CinemaSCOpe is a movie released by the Indian Embassy in Beijing specifically for the Shanghai Cooperation Organization (SCO) countries.
- More than two dozen Indian movies dubbed in Russian will be shown at the embassy on a monthly basis. This will be achieved before the Presidency of the SCO's Council of Heads of State of India meets in 2023.

About SCO:

- The key goal of the Shanghai Cooperation Organization is to sustain peace, protection and prosperity in the region. In 2017, India and Pakistan became full-time members of SCO. Russia firmly moved the SCO membership of India.
- The SCO has emerged as one of the major trans-regional international organisations. It represents 44% of the world's population, extending from the Arctic to the Indian Ocean and from the Pacific to the Baltic Sea.

Planet Nine

- Planet Nine is a fictional planet that is said to be 10 times the size of the Earth and orbits well beyond Neptune, a strongly eccentric orbit around the Sun.

- It was first suggested in 2012 to describe the irregularities in the orbits of the dwarf planets outside the orbit of Neptune, known as the Kuiper Belt objects.

Key Points:

- Its presence is yet to be proven. Recently, an exoplanet 336 light years from Earth has been found to have Planet Nine-like properties in its star system. It was called HD106906 b.
- This recently discovered object has been shown to affect the behaviour of multiple objects in its system, much like Planet Nine in the solar system.
- The HD106906 b is 11 times the mass of Jupiter. It's unusually far from its host pair of stars, much like planet nine.

About Planet Nine:

- This is not a new discovery. Planet nine was seen in the images captured by the Hubble Space Telescope in 2004. According to the astronomers, the objects in the Kuiper belt were specially constructed by Planet Nine. Also in 2018, scientists discovered a mysterious object named the 2015 BP519 orbiting the solar system.
- The object was unusual in that it orbited the solar system at an inclination of 54 degrees Celsius relative to other planets. Without planet nine, the tilt would be mysterious.

National Centre for Divyang Empowerment

- The National Centre for Divyang Empowerment (NCDE) has been set up by the Central Reserve Police Force (CRPF) to rehabilitate and rehabilitate Divyang Warriors with Disabilities Powers that have taken place in the line of duty.
- The Center is based at the Rangardy Center Area CRPF, Telangana. It is fitted with world-class facilities as needed by the Diyangs.

Key Features:

- The National Center for the Empowerment of Divyang is the first of its kind. Several market-driven knowledge, such as athletic skills and computer skills, will be imparted to Divyang Warriors in order to inspire the Divangs. The initiative would allow them to represent the country amid their handicaps.
- It will require these workers to be eligible for national and international para-sports events.

Government initiatives for Divyangs:

- The DeenDayal Disabled Rehabilitation Scheme has been launched to offer treatment to people with disabilities. Services provide vocational training programmes, special schools, neighbourhood recovery centres, etc.
- National Fellowship for students with disabilities: under the scheme, 200 students with disabilities receive grants.
- The Accessible India Campaign was launched to achieve universal mobility to allow people with disabilities to live independently. The movement seeks to change the transit infrastructure, to create an environment that is possible for the disabled.

