



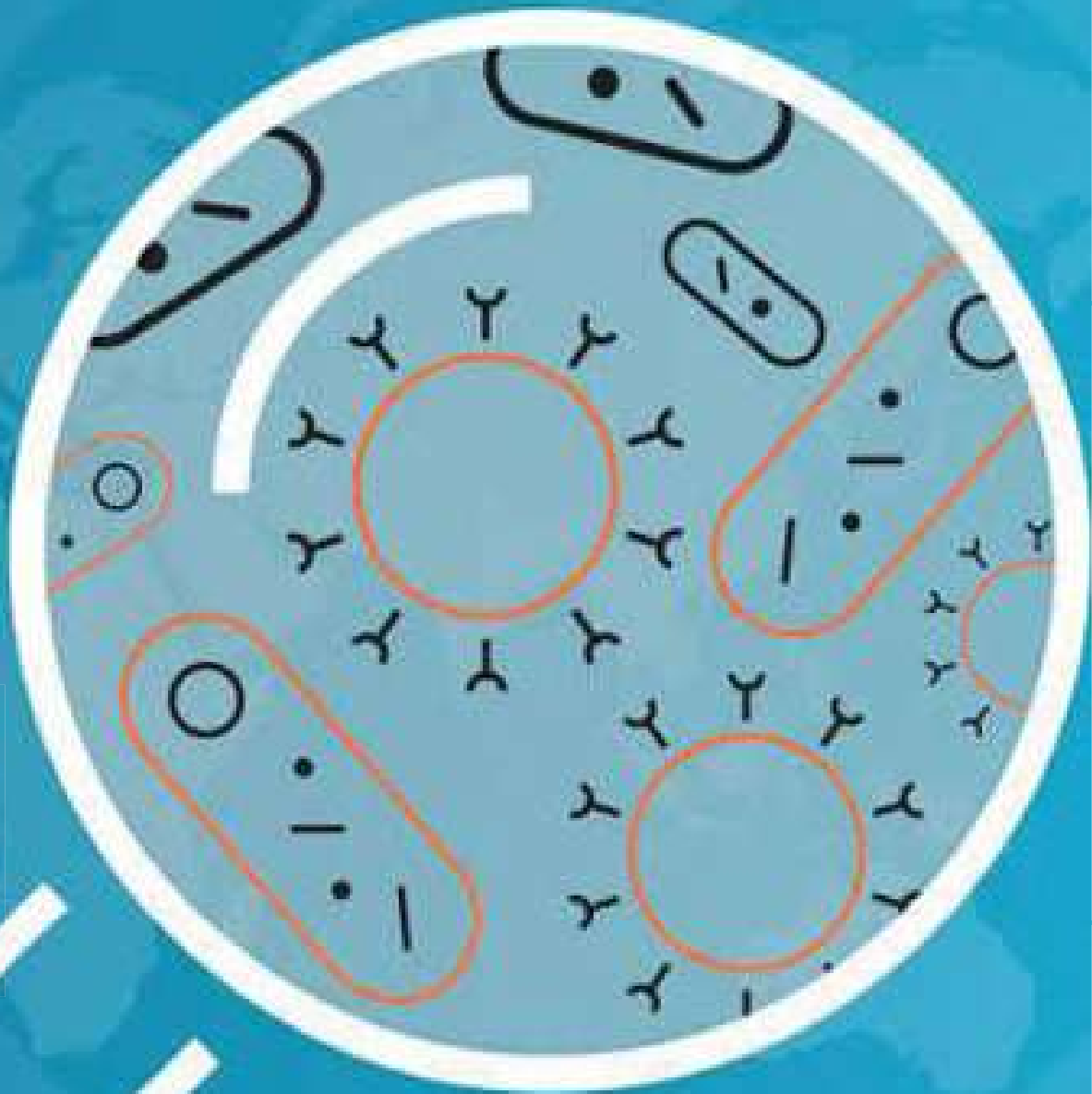
ENLITE IAS

Enlightening minds. Lightening journeys

FORTNIGHTLY CURRENT AFFAIRS MAGAZINE

Feb 16 - 28

ANTIMICROBIAL RESISTANCE





ENLITE IAS

Enlightening minds. Lightening journeys

Ready To Crack
UPSC CSE PRELIMS 2023 ?

ATTEND THE ALL INDIA UPSC CSE PRELIMS OPEN MOCK TEST 2023

**SUNDAY, 26TH
MARCH 2023**

OFFLINE/ONLINE

**OFFLINE
EXAM CENTRES
THIRUVANATHAPURAM,
KOCHI,
KOZHIKODE**



*** Test Open for All Candidates Appearing UPSC Prelims 2023
(Admission Free)**

Reach Us at
7994058393
for details

**Registration Mandatory.
Scan QR to register
for FREE**



www.enliteias.com

First Floor, Twinkle Plaza, | 2nd Floor, Dwaraka Building, Near
Panavila jn. Trivandrum, | Azhakodi Temple, Thiruthiyad, Kozhikode
Ph: 7994058393 | Ph: 7994433130

INDEX

POLITY

1. Vibrant Villages Programme
2. Mental Healthcare Act, 2017 (MHA)
3. Arbitration
4. Anti-Defection Law
5. Joint Parliamentary Committee
6. Survey of India
7. Law Commission of India

ENVIRONMENT

1. Extended Producer Responsibility (EPR)
2. Gross Domestic Climate Risk
3. National Designated Authority for the Implementation of the Paris Agreement (NDAIAPA)
4. Pangolins
5. Kuno National Park
6. Teja chilli
7. One-Horned Rhinos
8. Sundarbans
9. CoP – 28
10. Great Backyard Bird Count (GBBC)
11. Earth's core

SCHEMES/INITIATIVES

1. Mission Karmayogi
2. Prime Minister's Employment Generation Programme' (PMEGP)

INTERNATIONAL

ORGANISATIONS/INITIATIVES

1. Eurasian Patent Organization (EAPO)
2. Information Fusion Centre for Indian Ocean Region (IFC-IOR)

ECONOMY

1. Government Securities
2. Investor Education and Protection Fund Authority (IEPFA)
3. Emissions Trading Scheme

HISTORY/ART & CULTURE

1. G20 Culture Group (CWG)
2. Aadi Mahotsav
3. National Heritage Monument
4. Dickinsonia fossil
5. Keeladi
6. Char Dham Yatra
7. Unying Aran Festival
8. Sant Sevalal Maharaj
9. 1300-year-old Buddhist stupa

SCIENCE AND TECHNOLOGY

1. Black Boxes
2. Antimicrobial Resistance (AMR)
3. Avian Influenza (H5N1)
4. Lab-Grown Diamonds (LGD)
5. Sickle Cell Disease

DEFENCE

1. **MQ-9B drone**
2. **Dharma Guardian**
3. **IDEX and NAVDEX 23**
4. **Exercise DUSTLIK**
5. **Exercise DESERT FLAG VIII**
6. **Malabar naval exercise**
7. **Exercise Cobra Warrior**

INDEX/REPORTS

1. **Gross Domestic Climate Risk**
2. **National Achievement Survey**
3. **International IP Index**
4. **Institute for Energy Economics and
Financial Analysis (IEEFA)**

POLITY

1. Vibrant Villages Programme

In News

Cabinet approves Centrally Sponsored Scheme, Vibrant Villages Programme.

Vibrant Villages Programme

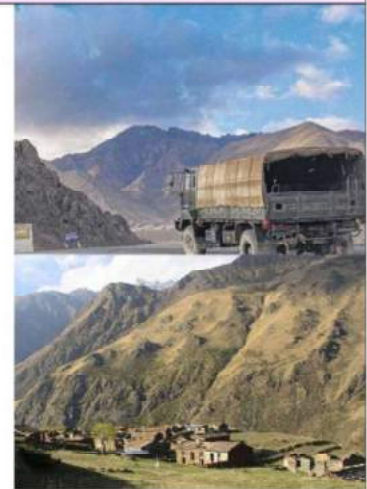


Why in news?

- The Union Cabinet has approved the 'Vibrant Village Programme' for financial years 2022-23 to 2025-26).

Vibrant Villages Programme

- Ministry - Ministry of Home Affairs
- Funding - Centrally Sponsored
- Vibrant Villages Programme (VVP) has been announced in the Finance Minister's Budget Speech 2022.
- Objective
 - It focuses livelihood generation, road connectivity, housing, rural infrastructure, renewable energy, television and broadband connections.
 - This objective will be met by strengthening infrastructure across villages located near the Line of Actual Control (LAC).
 - Under the programme, residential and tourist centres will be constructed.



7994058393
www.enliteias.com enliteias@gmail.com

2. Mental Healthcare Act, 2017 (MHA)

Important Provisions of the Act

- It aims at *decriminalising the Attempt to Commit Suicide* and ensure that the individuals who have attempted suicide are offered opportunities for rehabilitation.
- It seeks to fulfill India's international obligation pursuant to the *Convention on Rights of Persons with Disabilities* and its Optional Protocol.

- It has provisions for the registration of mental health related institutions and for the regulation of the sector.
- It has restricted the usage of *Electroconvulsive therapy (ECT)* to be used only in cases of emergency.

3. Arbitration

- Arbitration is outside the court settlement of a dispute by one or more persons who are appointed as arbitrators by both the parties.
- In India there is *Arbitration and Conciliation Act, 1996*.
- Arbitration hearings are usually not a matter of public record.

Emergency Arbitration

- *Emergency Arbitration (EA)* in the guise of an emergency relief is a concept suitable for those who want to protect their assets and evidence that might otherwise be *altered or lost*.

Institutional Arbitration

- The disputing parties submit their issue to an institution that has been designated to administer the arbitral process. The institution then arbitrates the dispute according to the rules laid by them in front of the parties.

4. Anti-Defection Law

In News

Maharashtra Shiv Sena party case that scans the working of the anti-defection law.

About the Law

- The anti-defection law was introduced into the Constitution via the *Tenth Schedule, in 1985*.
- It lays down the process by which legislators may be disqualified on grounds of defection by the Presiding Officer of a legislature based on a petition by any other member of the House.
- Grounds for disqualification:
 - If an elected member gives up his membership of a political party voluntarily.
 - If he votes or abstains from voting against any direction issued by his/her political party.
 - If any independently elected member any political party.
 - If any nominated member joins any political party after the end of 6 months.
- Decision of the Presiding Officer is subject to judicial review. The law does not specify a time-period for the Presiding Officer to decide on a disqualification plea.

- A legislator is deemed to have defected if he either *voluntarily gives up the membership of his party or disobeys the directives of the party leadership on a vote.*
- The law applies to both Parliament and state assemblies.
-

Exceptions under the law

- The law allows a party to merge with or into another party provided *that at least two-thirds* of its legislators are in favour of the merger.
- Speaker also has exceptions under anti-defection law.

ENLITE IAS

5. Joint Parliamentary Committee (JPC)

In News

Any committee other than JPC will be exercise in 'exoneration': Congress on Adani issue.

Joint Parliamentary Committee (JPC)





PARLIAMENT OF INDIA

Joint Parliamentary Committee (JPC)

- A Joint Parliamentary Committee (JPC) is set up to examine a particular bill presented before the Parliament, or for the purpose of investigating cases of financial irregularities in any government activity
- It is an ad-hoc body.
- It is set up for a specific object and duration.
- Formation - Joint committees are set up by a motion passed in one house of Parliament and agreed to by the other.
- Composition
 - The committee's members are decided by Parliament.
 - The number of members can vary. There are twice as many Lok Sabha members as the Rajya Sabha.

Powers and Function

- A JPC is authorised to collect evidence in oral or written form or demand documents in connection with the matter.
- The proceedings and findings of the committee are confidential, except in matters of public interest.
- The government can take the decision to withhold a document if it is considered prejudicial to the safety or interest of the State.
- The Speaker has the final word in case of a dispute over calling for evidence.
- The committee can invite interested parties for inquiry and summon people to appear before it.
- The committee gets disbanded following the submission of its report to Parliament.

☎ 7994058393
🌐 www.enliteias.com ✉ enliteias@gmail.com

6. Survey of India (SOI)


In News

Survey of India to remain the arbiter of maps that deal with State borders and national boundaries.

About SOI

- It is the National Survey and Mapping Organization of the country under the **Department of Science & Technology**.
- It is the oldest Scientific Department of the Government of India set up in the 1767.

Survey of India



ENLITE IAS
Empowering Aspirants, Enriching Aspirations

Why in news?


- The Government of India has announced that the Survey of India will remain the final authority on maps with State and national boundaries.

Key Points

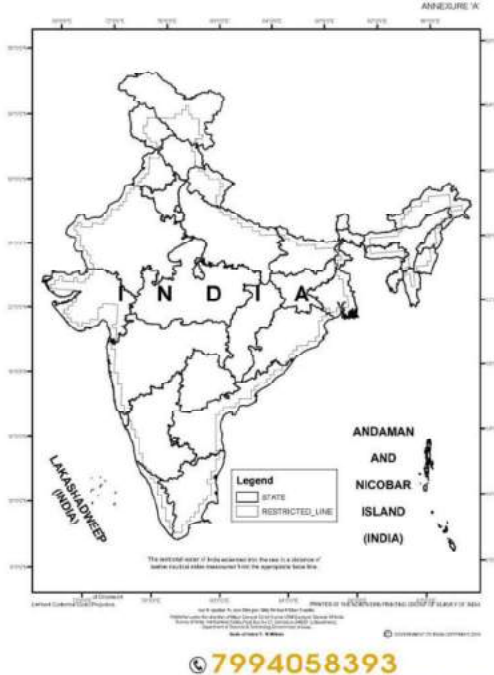
- With the guidelines released by the Department of Science and Technology in 2021, Survey of India (SoI) had lost the monopoly on making high-resolution maps.
- The Government in December 2022 released the National Geospatial Policy of India that allowed any private agency to make high resolution maps.

Survey of India

- Established In 1767
- It is the oldest scientific department of the Government of India.
- Headquartered - Dehradun
- Role - It acts as an adviser to the Government of India on all survey matters, viz Geodesy, Photogrammetry, Mapping and Map Reproduction.
- It is the National Survey and Mapping Organization of the country under the Department of Science & Technology.



Survey of India



7. Law Commission of India

In News

Cabinet approves the extension of the term of the Twenty-second Law Commission of India.

About Law Commission

- The Law Commission of India is *constituted by the Government of India from time to time.*
- *It is a non-statutory body.*
- It consists of a full-time Chairperson and Four full-time Members

Law Commission of India



Why in news?

- The Union Cabinet recently extended the term of the 22nd Law Commission by one-and-a-half years.

Law Commission of India

- History:
 - The first Law Commission was established during the British Raj era in 1834 by the Charter Act of 1833 and was chaired by Lord Macaulay.
 - In 1955, the first independent Law Commission was created.
- The Law Commission of India is a non-statutory body constituted by the Government of India from time to time.
- Ministry - Ministry of Law and Justice
- Objective: To carry out research in the field of law and makes recommendations to the Government (in the form of Reports) as per its terms of reference.



- The commission's recommendations are not binding on the Government.
- The commission consists of legal experts and is headed by a retired judge.
- The Commission is constituted for a fixed tenure.

7994058393

www.enliteias.com enliteias@gmail.com

ENVIRONMENT

1. Extended Producer Responsibility (EPR)

In News

A total of 2.26 million tonnes of plastic packaging has been covered under Extended Producer Responsibility (EPR).

- Extended Producer Responsibility (EPR) as an environmental policy approach in which a producer's responsibility for a product is extended to the post-consumer stage of a product's life cycle.

EPR in India

- The government notified Guidelines on Extended Producer Responsibility (EPR) for Plastic Packaging in 2022.
- The Guidelines stipulated mandatory targets on EPR.
- Guidelines also mandated implementation of EPR on plastic packaging through a *centralized online portal developed by CPCB.*

2. Gross Domestic Climate Risk

In News

Maharashtra, Tamil Nadu in world's top 50 regions at high risk due to climate change.

- **Report Publisher:** XDI Cross Dependency Initiative

About the Report

- It focuses on *the extent of capital value at risk from extreme weather and climate change* in states, provinces and other territories, represented by vulnerability and exposure of the built environment.
- India, China and the USA are home to 80% of the most vulnerable cities and centres of economic activity around the world.
- Asia dominates the list largely, with 114 of the top 200 regions falling in the continent.
- India recorded the most extreme weather events in 2022 with disasters on 247 out of 273 days from January 1 to September 30.

3. National Designated Authority for the Implementation of the Paris Agreement (NDAIAPA)

In News

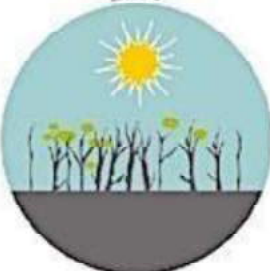
Activities finalised to be considered for trading of carbon credits under Article 6.2.

- Parties to the Paris Agreement are invited to designate their national authority for the mechanism
- **The Article 6.4** Mechanism is a mechanism to contribute to the mitigation of greenhouse gas emissions and support sustainable development.

The Paris climate agreement: key points


The historic pact, approved by 195 countries, will take effect from 2020

Temperatures 2100




- Keep warming "well below 2 degrees Celsius". Continue all efforts to limit the rise in temperatures to 1.5 degrees Celsius"

Finance 2020-2025




- Rich countries must provide 100 billion dollars from 2020, as a "floor"
- Amount to be updated by 2025

Differentiation




- Developed countries must continue to "take the lead" in the reduction of greenhouse gases
- Developing nations are encouraged to "enhance their efforts" and move over time to cuts

Emissions objectives 2050




- Aim for greenhouse gases emissions to peak "as soon as possible"
- From 2050: rapid reductions to achieve a balance between emissions from human activity and the amount that can be captured by "sinks"

Burden-sharing




- Developed countries must provide financial resources to help developing countries
- Other countries are invited to provide support on a voluntary basis

Review mechanism 2023



- A review every five years
First world review: 2023
- Each review will inform countries in "updating and enhancing" their pledges

Climate damage



- Vulnerable countries have won recognition of the need for "averting, minimising and addressing" losses suffered due to climate change

AFP

4. Pangolins

In News

Over 1,000 pangolins poached and trafficked in India in past five years.

About Pangolins

- There are *eight species of pangolins across Asia and Africa out of which 2 are critically endangered*
 - Four are found in Asia—*Chinese, Sunda, Indian, and Philippine pangolins.*
- Pangolins in India**
- India is home to two species:
 - ✓ Indian Pangolin, found across the subcontinent
 - ✓ Chinese Pangolin, found across a larger area in south Asia.

Pangolins



Why in news?

- As per the report released by a non-profit organisation working in the field of international trade of animals and plants over 1,000 pangolins poached and trafficked in India in past five years.
- TRAFFIC's India office, said in the organisation's fact sheet that up to 50% of seizures included live pangolins and 40% involved pangolin scales.

Pangolins

- It has large, overlapping scales on its body that act as armour.
- It can also curl itself into a ball as self-defence against predators such as the tiger.
- The nocturnal animal lives in burrows and feed on ants and termites.

Habitat and Distribution:

- Habitat - Various types of tropical forests as well as open land, grasslands and degraded habitats, including close to villages.
- Distribution
 - It is widely distributed in India, except in the arid region, high Himalayas and the North-East.
 - The species also occurs in Bangladesh, Pakistan, Nepal and Sri Lanka.

Threats

- Hunting for meat, component for indigenous (traditional) psychotropic substances and component in black magic in China, southeast Asia.

Indian Pangolin



Protection Status

- Wildlife Protection Act, 1972 - Schedule I
- CITES - Appendix I
- IUCN Status
 - Indian Pangolin - Endangered
 - Chinese Pangolin - Critically Endangered

Chinese Pangolin



7994058393

www.enliteias.com enliteias@gmail.com

5. Kuno National Park

In News

Shri Bhupender Yadav releases Twelve cheetahs from South Africa at ***Kuno National Park, Madhya Pradesh***

About Kuno National Park

- Kuno National Park is a ***national park and Wildlife Sanctuary*** in Madhya Pradesh, India.
- It was established in 1981 as a wildlife sanctuary. In 2018, it was given the status of a national park.

Kuno National Park

Kuno National Park

- State - Madhya Pradesh
- Protection Status
 - 1981 - Wildlife Sanctuary
 - 2018 - National Park
- Projects
 - 1990 - selected as a site to implement the Asiatic Lion Reintroduction Project but not yet implemented
 - 2009 - Site for cheetah reintroduction and reintroduced in 2021 and 2023.
- Forest Type in the region - Dry deciduous forests
- Associated Tribe - Saharia tribal people



Fauna

- Herbivores - Chital, Sambar, Nilgai, Wild pig, Chinkara, Chousingha
- Carnivores - Leopard, Sloth bear, Striped hyena, Gray wolf, Golden jackal, Indian fox, and Ratel.

7994058393

www.enliteias.com | enliteias@gmail.com

- In the 1990s, it was selected as a site to implement the Asiatic Lion Reintroduction Project, which aimed at establishing a second lion population in India.
- The 30,000-year-old cave paintings in nearby ***Pahargarh*** depicting multiple wild animals.

6. Teja chilli

In News

Telangana's Teja chilli is hot favourite in many nations.

About Teja Chilli

- Teja chilli is a fine variety of Guntur chilli.
- Teja or S17 is one of the ***hottest varieties of red chillies*** produced in India.

Teja Chilli

Why in news?

- Teja red chilli has become a hot property in many nations and the export of this variety of red chilli is estimated to increase from the present ₹2,000 crores per annum to ₹2,500 crores in the coming year.

Teja Chilli

- Teja Red Chilli which is also known as S-17 is one of the hottest varieties of red chillies produced in India.
- Teja chilli is a fine variety of Guntur chilli which is mostly produced in the southern states of India.
- Khammam district of Telangana is the largest producer of the Teja variety of red chilli.
- Uses
- Teja red chillis are famous for their culinary, medicinal and other wide-ranging uses such as being the main ingredient in making pepper spray.
- The paste extracted from this variety of chilli is also in demand for its use as a protective layer beneath ships in some Asian countries.
- Teja red chilli is being exported extensively to China, Bangladesh and a few other south Asian countries.



☎ 7994058393

🌐 www.enliteias.com 📧 enliteias@gmail.com

7. One-Horned Rhinos

In News

Bihar to increase population of greater one-horned Rhinos by 3% annually.

About One-Horned Rhino

- The Great one horned rhino is commonly found in *Nepal, Bhutan, Pakistan and in Assam, India.*
- Greater one-horned rhinos are the second biggest of the rhino species, beaten only by the white rhino.

Chitwan Declaration

- Five Rhino Range Countries countries - *India, Bhutan, Indonesia, Malaysia and Nepal* - signed the Chitwan Declaration for Asian Rhinos Conservation in 2023.



WE LIGHTENED THEIR JOURNEY'S THEY CREATED US

Anjali Surendranathan IFS
Second Secretary (Political) &
Special Assistant to Ambassador
UPSC 2017 AIR 26



Team Enlite has an excellent Civil Service preparation program with personalized guidance. I am sure that no other institute can have an amazing mentor like Mahesh sir who can make the preparation simple and enjoyable for the students.

Anandu Suresh Govind IAS
Assistant Collector & SDM, Pardi
UPSC 2018 AIR 127



I have done my complete preparation in general studies papers as well as optional subject (Philosophy) at Enlite IAS. I have also attended the current affairs classes and the Interview program there. I owe my success largely to the guidance and support I received from team Enlite and especially Mahesh Sir. I'm glad that I made the right choice in choosing the best institute.

Arjun Mohan IAS
Additional District Magistrate (HQ)
- Central Islands & Minicoy
UPSC 2018 AIR 66



I cannot quantify in words the support provided by Team Enlite in helping me secure 66th rank in Civil Services Examination 2018. Personal care provided by the mentors - Abhilash sir, Mahesh Sir, Abu Sir helped me complete the syllabus in an efficient manner in less than seven months. True to their motto team Enlite enlightens anyone who associate with them and I owe my success completely to ENLITE IAS

Dr. Aswathy Srinivas IAS
Subcollector, Thiruvananthapuram
UPSC 2019 AIR 40



My decision to join and learn with Enlite IAS Academy was the turning point in my life. Words can't explain, the amount of sincere concerted efforts Mahesh sir and Abhilash sir put into everyone of us, including me. The learner centric environment at Enlite gave me the strength and confidence which ensured my overall success, stands testimony to their incredible way of work. This success is synonymous with Enlite for me. ENLITE IS LIGHT!!!

PRELIMS CUM MAINS PROGRAM (PCM 2024) ADMISSIONS OPEN

BOOK YOUR SLOTS NOW



ENLITE IAS

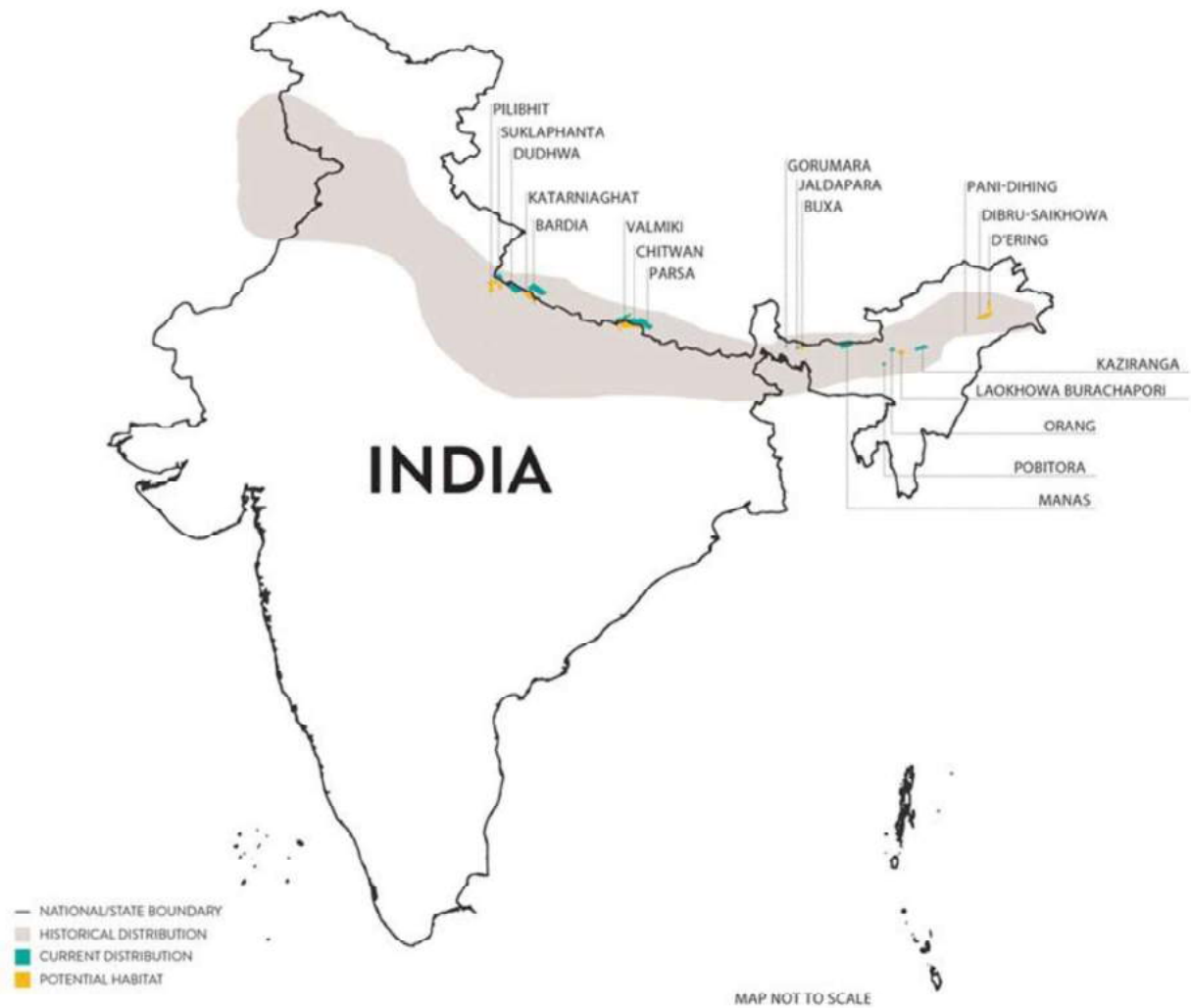
Enlightening minds. Lightening journeys

7994058393

www.enliteias.com enliteias@gmail.com

First Floor, Twinkle Plaza, Panavila jn. Trivandrum,

- The intention is to achieve at least **3%** annual growth rate in the Rhino population.



8. Sundarbans

In News

NGT directs authorities to demolish hotel constructed in Sundarbans.

About Sundarbans

- The Sundarbans is a cluster of low-lying islands in the Bay of Bengal, spread across India and Bangladesh.
- It was designated a UNESCO World Heritage site in 1987.
- UNESCO has demarcated the entire Sundarbans region as a biosphere reserve.

9. COP-28

In News

COP-28 must focus on adaptation instead of mitigation, says India

About COP-28

- It is the forthcoming United Nations Conference of Parties to be held at Dubai.
- India's opinion is that COP-28 must focus on adaptation instead of mitigation.

Adaptation

- Adaptation refers to assisting countries that are most vulnerable to the effects of climate change with finance and infrastructural assistance.

Mitigation

- Mitigation refers to reducing carbon emissions to keep global temperatures from rising 0.5 or 1 degree Celsius from current levels.

10. Great Backyard Bird Count (GBBC)

In News

Birders delight: Bengal reports 489 species during count

About GBBC

- The Great Backyard Bird Count (GBBC) was Launched in 1998 by the *Cornell Lab of Ornithology and National Audubon Society*
- It is the first online citizen-science project (also referred to as community science) to collect data on wild birds and to display results in near real time.
- *The Bird Count India* organises the GBBC in the country.
- West Bengal reported the highest number of species of birds, followed by Uttarakhand and Arunachal Pradesh
- Kerala recorded the highest number of checklists of birds with 9,768 lists of birds

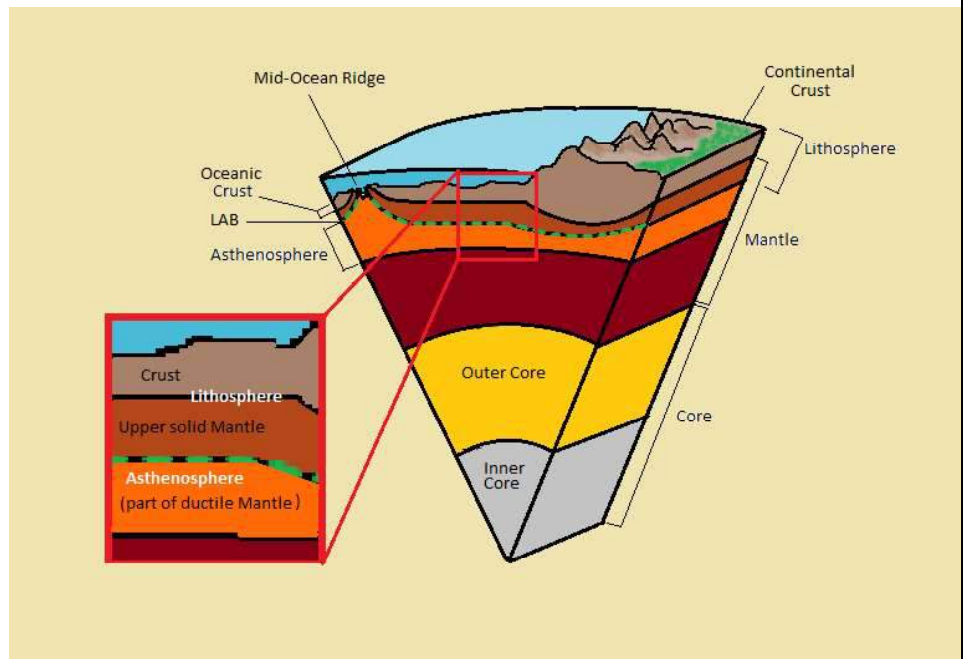
11. Earth's core

In news

An intensive study of Earth's deep interior confirmed the existence of a distinct structure inside planet's inner core.

About

- The study was based on the behaviour of seismic waves from large earthquakes.
- The planet's internal structure comprises four layers:
 - ✓ A rocky crust on the outside
 - ✓ A rocky mantle
 - ✓ An outer core made of magma
 - ✓ A solid inner core.



SCHEMES/INITIATIVES

1. Mission Karmayogi

In News

Govt. forms Cabinet Secretary-led panel to monitor Mission Karmayogi.

What is it?

- The National Programme for *Civil Services Capacity Building* (NPCSCB) is also known as Mission Karmayogi.
- It uses a comprehensive *online platform - iGOT Karmayogi*.
- Mission Karmayogi will have the following six pillars:
 - ✓ Policy Framework
 - ✓ Institutional Framework
 - ✓ Competency Framework
 - ✓ Digital Learning Framework (Integrated Government Online Training Karmayogi Platform (iGOT-Karmayogi
 - ✓ Electronic Human Resource Management System (e-HRMS)
 - ✓ Monitoring and Evaluation Framework

2. Prime Minister's Employment Generation Programme' (PMEGP)

In News

Loan amount of around Rs 300 Crore sanctioned to 3083 beneficiaries under PMEGP Scheme.

- **Ministry:** Ministry of Micro, Small and Medium Enterprises (MoMSME)

About the Scheme

- It is a *credit linked subsidy programme* introduced by Government of India.
- The scheme is *implemented by Khadi and Village Industries Commission (KVIC)* functioning as the nodal agency at the national level.
- It was formed by *merging two schemes namely Prime Minister's Rojgar Yojana (PMRY) and Rural Employment Generation Programme (REGP)*.
- **Objectives of the Scheme**
 - ✓ To generate employment opportunities in rural as well as urban areas
 - ✓ To provide continuous and sustainable employment to a large segment of traditional and prospective artisans

INTERNATIONAL ORGANISATIONS/INITIATIVES

1. Eurasian Patent Organization (EAPO)

In News

Cooperation between EAPO, Moscow and CSIR on Access to the Traditional Knowledge Digital Library (TKDL).

About EAPO

- To perform administrative tasks relating to the functioning of the Eurasian patent system and grant of Eurasian patents, the Eurasian Patent Convention (EAPC) established the Eurasian Patent Organization with the Eurasian Patent Office (EAPO) acting as its executive body.
- EAPO is *an intergovernmental* organization and has the status of a legal entity.
- Its headquarters is at *Moscow* and the official language of the Organization is Russian.

2. Information Fusion Centre for Indian Ocean Region (IFC-IOR)

In News

Navy's IFC-IOR ties up with Seychelles center for enhancing maritime domain awareness.

About IFC-IOR

- IFC-IOR was established by the *Government of India in 2018* for Maritime Safety and Security in the Indian Ocean Region.
- It is hosted by the *Indian Navy's Information Management and Analysis Centre (IMAC) in Gurugram.*
- The IMAC is the *single-point centre linking all the coastal radar chains* to generate a seamless real-time picture of the nearly 7,500-km coastline.
- Several Indian Ocean littoral states have joined the coastal radar chain network.
- It will act as a maritime security information sharing hub for the region.
- It has working level linkages with more than 50 nations and multinational/ maritime security centres.

ECONOMY

1. Government Securities

In News

RBI issues draft norms for borrowing, lending G-secs.

What is a G-sec?

- A **Government Security (G-Sec)** is a *tradeable instrument* issued by the **Central Government or the State Governments**.
- It acknowledges the **Government's debt obligation**.
- These are of two types:
 - ✓ **Short term** - usually called **treasury bills**, with original **maturities of less than one year**.
 - ✓ **Long term** - usually called **Government bonds** with original maturity of **one year or more**.
- The **Central Government issues both, treasury bills and bonds or dated securities**.
- The State Governments issue only bonds or dated securities, which are called the **State Development Loans (SDLs)**.
- G-Secs carry practically no risk of default and, hence, are called **risk-free gilt-edged instruments**.
- **The Public Debt Office (PDO) of RBI, acts as the registry and central depository** for G-Secs.

How are the G-Secs issued?

- The G-Secs are issued **through auctions** conducted **by RBI**.
- Auctions are conducted on the electronic platform called the **E-Kuber, the Core Banking Solution (CBS) platform of RBI**.

How and in what form can G-Secs be held?

- They may be held by investors either as physical stock or in dematerialized (demat/electronic) form.
- Investors also have the option of holding G-Secs in a dematerialized account with a depository (NSDL / CDSL, etc.). This facilitates **trading of G-Secs on the stock exchanges**.
- **From 2002, it is mandatory** for all the RBI regulated entities to hold and transact in **G-Secs only in dematerialized (SGL) form**.

2. Investor Education and Protection Fund Authority (IEPFA)

In News

IEPFA organises Conference on “Financial Literacy in Amrit Kaal.

About IEPFA

- *Investor Education and Protection Fund Authority (IEPFA)* was established by Government of India in **2016**.
- It was established for administration of *Investor Education and Protection Fund* under the provisions of section 125 of the *Companies Act, 2013*.

Objectives of IEPFA

- The Authority is entrusted with the responsibility *of administration of the Investor Education Protection Fund (IEPF)*.
- Make *refunds of shares, unclaimed dividends, matured deposits/debentures etc.* to investors.
- Promote awareness among investors.

About IEPF

- Investor Education and Protection Fund (IEPF) has been established under Section 205C of the *Companies Act, 1956*.
- It was established to protect investors’ interests and promote awareness.
- The unpaid or unclaimed amounts belonging to a company’s investors are pooled and credited into the IEPF.

3. Emissions Trading Scheme

In News

Centre in final stages of notifying emissions trading scheme.

About Emissions Trading

- *Emissions trading or cap-and-trade is a market-based approach* used to control pollution.
- A *central authority* (usually a governmental body) *sets a limit or cap on the amount of a pollutant* that may be emitted.
- *Polluters are required to hold permits in amount equal to their emissions.*
- *Polluters that want to increase their emissions must buy permits from others willing to sell them.* The *limit or cap is allocated or sold to firms* in the form of emissions permits which *represent the right to emit* or discharge.
- Firms are required to hold a number of permits (or allowances or carbon credits) equivalent to their emissions.

- *The total number of permits cannot exceed the cap*, limiting total emissions to that level.

About the Scheme

- The *Bureau of Energy Efficiency (BEE)* would be the nodal coordinator of the scheme.
- *Sectors* would be given *energy efficiency targets* and the *companies* that were able to *exceed these targets* would *get credits or certificates*.
- Indian emissions trading scheme *wouldn't be required to cut carbon emissions in absolute terms*.
- Emissions trading schemes are already deployed in the European Union and Korea.

ENLITE IAS

HISTORY/ART & CULTURE

1. G20 Culture Group (CWG)

In News

The *First G20 Culture Group (CWG)* meet to be organised in *Khajuraho, Madhya Pradesh*.

Objectives of CWG

- *To achieve a significant reduction in illicit trafficking of cultural property by 2030.*
- Raise awareness among the general public through educational and social media campaigns.

About the CWG

- The *first G20 Culture Working Group (CWG)* meet will be held in **Khajuraho**.

- The *theme* of the meet is “*Protection and restitution of cultural property*”.

About Khajuraho

- It is an ancient city known for its majestic temples and elaborate sculptures.
- The **Khajuraho Group of Monuments**, was constructed by the **Chandela Dynasty between 950-1050 AD**.
- **Nagara-style architecture**, ornamented with the intricate and detailed sculptures are the salient features of Khajuraho art.
- There were **85 temples** in the temple site in Khajuraho, covering 20 square kilometres, in the 12th Century AD.
- It is a **UNESCO World Heritage Site**.

Khajuraho Temples



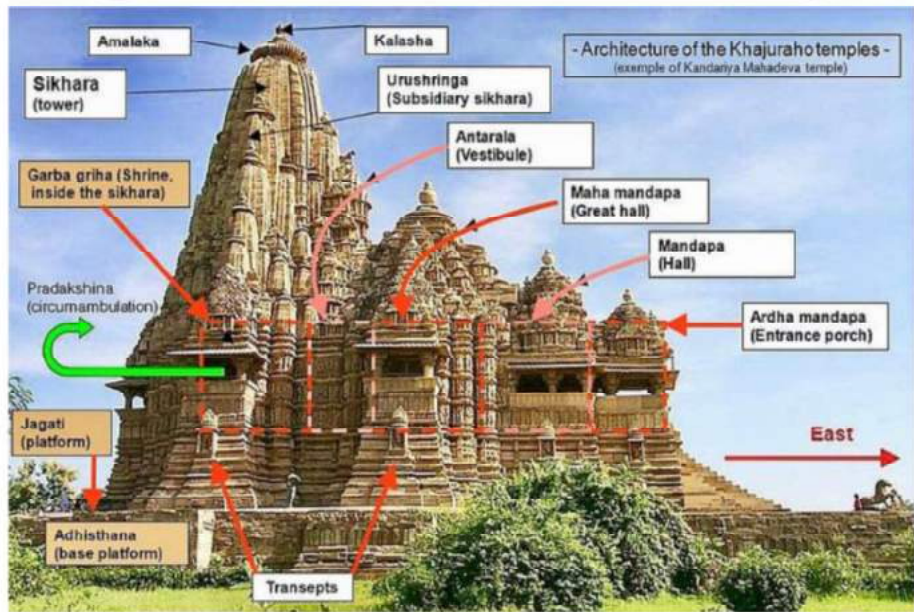
ENLITE IAS

Why in news?

- Twenty three repatriated Indian antiquities will be exhibited and each of their stories told to G20 delegates at Khajuraho as part of efforts to strengthen the mechanism to prevent illicit trafficking in antiquities, and facilitate the return and restitution of such treasured artefacts.
- The stories will be narrated in a virtual reality mode by none other than the 900 year old ‘Parrot Lady’ of Khajuraho — the sandstone sculpture of a woman holding a parrot which was brought back to India from Canada in 2017.
- The event is part of the meeting of the G20 Cultural Working Group that is to meet from February 22 - 25.

Khajuraho Temples

- Location - Madhya Pradesh within Vindhya Mountain Range.
- Built by - Chandela Dynasty
- Famous erotic sculptures.
- The monuments include Hindu and Jain temples.
- These Temples got the status of UNESCO’s World Heritage Sites in 1986.
- Architecture Style - Nagara-style
- Reported for the first time by Abu Rihan al Biruni in AD 1022 and Ibn Battuta in AD 1335.



7994058393
www.enliteias.com enliteias@gmail.com

2. Aadi Mahotsav

In News

PM Modi inaugurates 'Aadi Mahotsav' to showcase tribal culture.

About Aadi Mahotsav

- Aadi Mahotsav is a **mega National Tribal Festival**.
- It took place at Major Dhyan Chand National Stadium in New Delhi.
- It is a **celebration of the spirit of tribal culture**, craft, food and commerce.
- It is an **opportunity to showcase tribal products** and help artisans connect with the mainstream population.

3. National Heritage Monument

In News

SC to consider hearing PIL seeking declaration of Ram Sethu as national heritage monument.

What is National Heritage Monument?

- It is **any structure**, erection or monument, or any tumulus or place of interment, or any cave, rock-sculpture, inscription or monolith which is of **historical, archaeological or artistic interest** and which has been in existence for **not less than 100 years**.
- It **includes remains of an ancient monument**, site of an ancient monument, portion of land adjoining the site of an ancient monument.
- **The Archaeological Survey of India (ASI)** under the provisions of the **AMASR Act, 1958** protects monuments, sites and remains of national importance.
- These monuments and sites are maintained and preserved through various Circles of the ASI spread all over the country.
- There are **at present more than 3650 ancient monuments and archaeological sites** and remains **of national importance**.

4. Dickinsonia fossil

In News

Dickinsonia fossil found in *Bhimbetka* is old beehive.

About Dickinsonia

- *Dickinsonia* is an **extinct genus of basal animal** that lived during the late **Ediacaran period**.
- The individual Dickinsonia typically resembles a bilaterally symmetrical ribbed oval.
- Dickinsonia had fluid-filled modules that gave them a "quilted" appearance.
- The discovery of cholesterol molecules in fossils of Dickinsonia lends support to the idea that Dickinsonia was an animal.
- *Dickinsonia* is “an iconic member” of the **Ediacaran period** and an **important age marker**.

Dickinsonia fossils

- *Dickinsonia fossils* are known **only in the form of imprints and casts in sandstone beds**.
- The first specimens of this fossil organism were first discovered in the Ediacara Member of the Rawnsley Quartzite, Flinders Ranges in South Australia.

5. Keeladi


In News

The significance of the findings in Keeladi.

About Keeladi

- Keeladi is a **tiny hamlet in the Sivaganga district** in south **Tamil Nadu**.

Bhimbetka Rock Shelters




Why in news?

- Fossils of an extinct species of animal that scientists reported in a sensational discovery from India's Bhimbetka Rock Shelters in 2021 have been found to be is old beehive.

Bhimbetka Rock Shelters

- Location - Madhya Pradesh , in the foothills of Vindhya Range
- Evidence of Paleolithic and Mesolithic periods.
- It is a UNESCO World Heritage Site that consists of seven hills and over 750 rock shelters distributed over 10 km.
- Discovered by - V S Wakankar in 1957



- Paintings
 - Most of the painting are done in red and white on the cave walls.
 - Theme - singing, dancing, hunting

7994058393
www.enliteias.com | enliteias@gmail.com

- It is about *12 km south-east to the temple city of Madurai* and is located along the *Vaigai river*.
- *Keeladi excavation site is a Sangam age settlement* that is being excavated by the Archaeological Survey of India and the Tamil Nadu State Department of Archaeology.
- This is a large-scale excavation carried out in Tamil Nadu after the Adichanallur archaeological site.

Link to Sangam age

- The unearthed artefacts from Keeladi is of the *period between sixth century BCE and first century BCE*.
- A recent ASI report has pushed the Sangam age to 800 BCE based on the archaeological findings from Keeladi.

6. Char Dham Yatra


In News

Char Dham Yatra, Yamunotri to get a ropeway.

About the Yatra



- The Yatra is a pilgrimage tour to **four holy sites - Yamunotri, Gangotri, Kedarnath and Badrinath**.
- These pilgrim centres are nestled high up in the Himalayas.
- It opens in summers (April or May) and closing with the onset of winter (October or November).

Yamunotri



Yamunotri

- Part of Chota Char Dham.
- Location
 - It is situated at an altitude of 3,293 metres (10,804 ft) in the Garhwal Himalayas.
 - Lodged in a narrow gorge, close to the source of the Yamuna
- Religious Significance
 - Yamunotri Temple is dedicated to River Yamuna.
 - The Divya Shila and Surya Kund are located near the temple.
- Recent Updates
 - A new ropeway worth ₹167 crore to Yamunotri temple from Kharsali is planning by the government.
 - It will reduce the travel to the Yamunotri temple to 15 minutes from three to four hours that pilgrims trek to the holy shrine.
 - The ropeway will be of monocable detachable type.

7994058393
www.enliteias.com enliteias@gmail.com

- The pilgrimage *starts from Yamunotri, proceeds towards Gangotri, onto Kedarnath, and finally ends at Badrinath.*

About Yamunotri

- Yamunotri is a *part of Char Dham.*
- It is situated at an altitude of 3,293 metres (10,804 ft) in the *Garhwal Himalayas.*
- Lodged in a narrow gorge, close to the *source of the Yamuna*, the Yamunotri Temple is dedicated to Yamuna.
- The *Divya Shila and Surya Kund* are located near the temple.
- A new ropeway worth ₹167 crore to Yamunotri temple from Kharsali is planning by the government.
- It will reduce the travel to the Yamunotri temple to 15 minutes from three to four hours that pilgrims trek to the holy shrine.

7. Unying Aran Festival

In News

Shri Sarbananda Sonowal celebrates *Unying Festival at Boleng, Arunachal Pradesh.*

About the Festival

- It is the New Year festival of the *Adi community in Siang district.*
- The festival is celebrated to herald the *season of cultivation.*
- It marks the *arrival of spring seasons* as well as a great way to strengthen the bond among the community.
- This festival is basically a *hunting festival followed by the Adi tribesmen.*
- The majority of Adi traditionally follow the *tribal Donyi-Polo religion.*
- It is traditionally celebrated with '*Bari*' songs sung by male elders and '*Yakjong*' dance performed by youths (boys and girls) in villages.

8. Sant Sevalal Maharaj

In News

As part of Banjara community outreach, Union govt. to mark Sant Sevalal Maharaj Jayanti.

About Santh Sevalal Maharaj

- *Santh Sevalal Maharaj* was the *Spiritual & Religious Leader of Banjara Community.*
- He is considered a *social reformer of the Banjara community.*



WE LIGHTENED THEIR JOURNEY'S THEY CREATED US

SMILNA SUDHAKAR – IFoS
AGMUT Cadre
UPSC2019 Rank : 458



I owe the largest share of my success to the tireless and constant support of the Enlite IAS academy team. Being part of such a committed group of Individuals has truly been an enriching and rewarding experience. I am deeply indebted to Mahesh sir and Abhilash sir, both of whom exemplify the true spirit of Enlite. They have been pillars of support throughout the entire process, helping me navigate and overcome every obstacle that this journey has thrown at me.

PRASAD KRISHNAN IRS
UPSC2020 Rank 209



I joined Enlite PCM batch in 2018 and since then the institute has guided me throughout my journey. Be it the classes, mentorship sessions, mocks, Interview guidance or peer group discussions, Enlite IAS has translated my efforts to the maximum output possible. Special thanks to Mahesh sir, Abhilash sir and Abu sir for all the help.

MANOJ MADHAV S IFS
Third Secretary (EP)
Embassy of India – Brussels, Belgium
UPSC2019 Rank : 105



Team Enlite has played a quintessential role in helping me clear the Civil Services Examination. The mentorship under Mahesh Sir throughout all the stages of the exam is something I owe my success largely to. Quality guidance from faculties like Abu Sir and Abhilash Sir was helpful in improving my overall performance as well. Thank you Team Enlite!

AMITH MP IAS
Asst. Collector - Tindivanam,
Villupuram Dist, Tamil Nadu
UPSC2018 Rank 405



I attended philosophy optional enrichment program @ ENLITE IAS. The unique insights I got during the course played a vital role in my success in the civil service examination. Also 90% of the questions in the exam directly appeared from the class room sessions. It helped in tuning my Interview preparation to an optimum level.

PRELIMS CUM MAINS PROGRAM (PCM 2024) ADMISSIONS OPEN

BOOK YOUR SLOTS NOW



ENLITE IAS

Enlightening minds. Lightening journeys

7994058393

www.enliteias.com enliteias@gmail.com

First Floor, Twinkle Plaza, Panavila jn. Trivandrum,

- He was born on 15 February **1739** at Surgondankoppa in ***Shivamogga district of Karnataka.***
- He travelled across the country with his ***Ladeniya Troup*** to serve especially the forest dwellers and nomadic tribes.
- Sant Sevalal Maharaj is a revered symbol of every Banjara family.
- The birth anniversary of Sant Sevalal Maharaj ji is celebrated with great fanfare in the month of February.
- The Samadhi Sthal of Saint Sewalal Ji is situated in Manora Taluka of Washim District of Maharashtra.

About Banjaras

- India has a population of around 10 to 12 crore Banjara community across the country
- Many have permanently abandoned their nomadic lifestyle and settled in ***their settlements called Tandas.***
- They have settled in states like Karnataka, Tamil Nadu, Andhra Pradesh, Telangana, Maharashtra and Madhya Pradesh.
- ***For the first time the birth anniversary of Santh Sevalal Maharaj*** is being ***celebrated by the Ministry of Culture, Government of India.***

9. 1300-year-old Buddhist stupa

In News

1,300-year-old Buddhist stupa found in ***Odisha's Jajpur***

About the Stupa

- The Archaeological Survey of India (ASI) have unearth a Buddhist stupa at Khandolite mining site at Parabhadi in Sukhuapada hamlet in Jajpur district.
- The stupa is 4.5-metre tall and belong to the 7 th or 8 th century.
- It was ***discovered from a mining site in Odisha's Jajpur district*** from where ***Khondalite stones*** were supplied.

Khondalite stones

- Khondalite is a ***foliated metamorphic rock.***
- It was ***named after the Khond tribe of Odisha and Andhra Pradesh.***
- It is ***quartz–manganese-rich garnet–rhodonite schist*** and also contain sillimanite and graphite.
- ***Khondalite*** stones were ***widely used in ancient temple complexes.***
- Khondalite stones are proposed to be used widely to maintain aesthetic value of some projects.

SCIENCE AND TECHNOLOGY

1. Black Boxes

In News

HAL gets DGCA nod for indigenously developed 'black boxes'

About Black Box

- The *Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR)* are combined into a single unit commonly known as *Black Box*.
- It is an *electronic recording device* placed in an aircraft for the purpose of *facilitating the investigation of aviation accidents* and incidents.
- The flight data recorder (FDR) preserves the recent history of the flight through the recording of dozens of parameters collected several times per second.
- The cockpit voice recorder (CVR) preserves the recent history of the sounds in the cockpit, including the conversation of the pilots.
- The memory boards have enough digital storage space to accommodate *two hours of audio data for CVRs and 25 hours of flight data for FDRs*.
- The only devices that survive in a plane crash are the *Crash-Survivable Memory Units (CSMUs) of the Black Box*.
- This device is engineered to withstand extreme heat, jarring crashes and tons of pressure.

2. Antimicrobial Resistance (AMR)

In News

A manifesto for tackling the silent pandemic of AMR.

What is AMR?

- Antimicrobial Resistance (AMR) occurs when bacteria, viruses, fungi and parasites change over time and no longer respond to medicines.
- It is the *ability of microorganisms to persist or grow in the presence of drugs designed to inhibit or kill them*.
- As a result of drug resistance, antibiotics and other antimicrobial medicines become ineffective and infections become increasingly difficult or impossible to treat.
- WHO has declared that AMR is one of the top 10 global public health threats facing humanity.
- *Misuse and overuse of antimicrobials* are the main drivers in the development of drug-resistant pathogens.

How AMR develops?

- AMR *occurs naturally over time, usually through genetic changes.*
- The main drivers of antimicrobial resistance include:
 - ✓ Misuse and overuse of antimicrobials
 - ✓ Lack of access to clean water, sanitation and hygiene (WASH) for both humans and animals
 - ✓ Poor infection and disease prevention and control in health-care facilities and farms
 - ✓ Lack of awareness and knowledge

3. Avian Influenza (H5N1)

In News

ICAR-National Institute of High Security Animal Disease detects Avian Influenza (H5N1) from the samples received from Government Poultry Farm at Bokaro, Jharkhand.

About H5N1

- *Avian influenza or bird flu* refers to the disease caused by *infection with avian (bird) influenza (flu) Type A viruses.*
- Influenza A virus subtype H5N1 (A/H5N1) is a subtype of the influenza A virus which can cause illness in humans and many other animal species.
- It is *enzootic (maintained in the population) in many bird populations*, especially in Southeast Asia.
- H5N1 rarely infects people – mostly through contact with infected birds
- There are no evidence of sustained human-to-human transmission" of the virus.

4. Lab-Grown Diamonds (LGD)

In News

Five-year research grant to encourage indigenous production of lab-grown diamonds (LGD) machinery.

About LGD

- Laboratory-grown diamonds were *made by humans in a lab or factory rather than by nature.*
- They have *essentially the same chemical composition and crystal structure* as diamonds created by nature.
- They are created using sophisticated mechanical processes that mimic the conditions under which genuine diamonds are generated.

- They can be used in extreme environments due to their potential to operate at higher speeds
- Lab grown diamonds are produced through 2 technologies:
 - ✓ **High-Pressure High Temperature (HPHT)**
 - ✓ **Chemical Vapour Deposition (CVD).**
- **India is one of the leading producers of lab grown diamonds using CVD technology.**
- **India depend on other countries for the supply of critical machinery components and 'seeds',**
- India's share in global trade of LGD in the financial year 2021-22 was 25.8

Uses of LGD

- Lab-grown diamonds **are used in computer chips, satellites, 5G networks.**
- LGD has vast application in **field of defence, optics, jewellery, thermal & medical industry.**
- They **use less power than silicon-based chips.**

5. Sickle Cell Disease

In News

Sickle Cell Disease is a multi-sectoral mission leveraging community mobilization and stakeholder collaboration.

About the Disease

- Sickle cell disease (SCD) is a **group of inherited red blood cell disorders.**
- **Red blood cells contain hemoglobin,** a protein that carries oxygen.
- **Healthy red blood cells are round,** and they move through small blood vessels to carry oxygen to all parts of the body.
- In case of SCD, the hemoglobin is abnormal.
- It causes the **red blood cells to become hard and sticky and look like a C-shaped farm tool** called a "**sickle.**"
- The **sickle cells die early,** which causes a **constant shortage of red blood cells.**
- When they **travel through small blood vessels, they get stuck and clog the blood flow.**
- It will cause pain and other serious complications (health problems) such as infection, acute chest syndrome and stroke.
- **Pradhan Mantri Jan Arogya Yojana provides full treatment for Sickle Cell Disease.**

DEFENCE/MILITARY EXERCISES

1. MQ-9B drone

In News

HAL to provide maintenance and overhaul support for MQ-9B drone engines in India.

About MQ-9B

- It is an *unmanned aerial vehicle (UAV)* capable of *remotely controlled* or *autonomous flight operations*.
- It was *developed* by General Atomics Aeronautical Systems (GA-ASI) primarily for the *United States Air Force (USAF)*.
- The Indian Navy operates two MQ-9B Sea Guardians taken on lease in 2020.
- India is planning to purchase 30 armed MQ-9Bs, 10 for each Service for around \$3 billion.

MQ-9B Sea Guardian

ENLITE IAS

Why in news?

- Hindustan Aeronautics Ltd (HAL) will provide Maintenance, Repair and Overhaul (MRO) services for engines of US's MQ-9B Remotely Piloted Aircraft System as India is in discussions to buy 30 MQ-9B drones to enhance its surveillance capabilities along the China border and the Indian Ocean region.

MQ-9B Sea Guardian

- General Atomics Aeronautical Systems, Inc (GA-ASI) of US is the manufacturer of the MQ-9Bs.
- The Guardian, which is the maritime variant of the Predator MQ-9 UAV, has a maximum endurance of 40 hours.
- Features
 - It has a maximum flying altitude of 40,000 feet.
 - It has 360-degree maritime surveillance radar and optional multimode maritime surface search radar.
 - The drone can perform over-the-horizon long-endurance, medium-altitude Intelligence, Surveillance and Reconnaissance (ISR) missions.



- Indian Navy operates two MQ-9B Sea Guardians taken on lease in 2020.

7994058393
www.enliteias.com enliteias@gmail.com

2. Dharma Guardian

In News

Indo Japan Joint Training Exercise “Dharma Guardian” to commence at Shiga Province, Japan.

About Dharma Guardian

- *EX DHARMA GUARDIAN* is a joint military exercise between *India and Japan*.
- The 4th edition of the exercise is being conducted *at Camp Imazu in Shiga province, Japan*.

- The scope of this exercise covers **platoon level joint training** on operations in jungle and semi urban/urban terrain.
- Troops of the **Garhwal Rifles Regiment of the Indian Army and an Infantry Regiment from the Middle Army of the Japan** are participating in the exercise.

Exercise Dharma Guardian


ENLITE IAS

Why in news?

- The 4th edition Exercise Dharma Guardian, being conducted in Japan from 17th February to 2nd March 2023.

Exercise Dharma Guardian

- Joint military exercise, Exercise Dharma Guardian, between India and Japan.
- Participation - Troops of the Garhwal Rifles Regiment of the Indian Army and an Infantry Regiment from the Middle Army of the Japan Ground Self Defence Force (JGSDF) are participating in the Dharma Guardian exercise 2023.
- Aim - Joint military Ex Dharma Guardian 2023 aims to share experiences gained during operations in order to enhance inter-operability in planning & execution.
- Place - Camp Imazu in Shiga province, Japan.



7994058393
www.enliteias.com | enliteias@gmail.com

3. IDEX and NAVDEX 23

In News

INS Sumedha visits Abu Dhabi to Participate in IDEX and NAVDEX 23.

About International Defence Exhibition (IDEX)

- **IDEX** is the **only international defence exhibition** and conference in the **Middle East and North Africa (MENA) region**.
- It is a unique platform to establish and strengthen relationships with government departments, businesses and armed forces throughout the region.
- **IDEX is held under the patronage** of His Highness Sheikh Mohamed Bin Zayed Al Nahyan, **President of the UAE**.

Naval Defence Exhibition (NAVDEX)

- NAVDEX is held **alongside IDEX**
- It provides a dedicated and focused platform for international **naval defence** and maritime security companies to showcase their technologies and services to an international audience.

INS Sumedha

- *INS Sumedha* is the **third ship of the indigenously built Saryu class Naval Offshore Patrol Vessels (NOPV)**.
- It was commissioned into the Indian Navy in 2014.
- INS Sumedha is participating in NAVDEX 23 and IDEX 23.

4. Exercise DUSTLIK


In News

Indo-Uzbekistan Joint Military Exercise 'DUSTLIK ' commences at Pithoragarh.

About the Exercise

- It joint military exercise 'DUSTLIK' between the **Indian Army and Uzbekistan Army**.
- The **first edition** of the exercise was held at **Uzbekistan in 2019**.
- It aims at promoting positive relations between **both the armies**.

Exercise DUSTLIK - 2023



ENLITE IAS

Why in news?

- Military exercise DUSTLIK (2023) will be conducted from February 20th to 5th March 2023.

Exercise DUSTLIK - 2023

- Place - Pithoragarh, Uttarakhand
- It is a military-to-military exchange program between the Indian Army and Uzbekistan
- It is the fourth edition of the biennial training Exercise.
- The Indian contingent will be represented by the 14th Battalion, The GARHWAL RIFLES, part of Western Command in this bilateral exercise.
- The Uzbekistan Army will be represented by troops of the North Western Military District of Uzbekistan Army.
- Aim - To enhancing military capability to undertake multi-domain operations in a Sub Conventional scenario under United Nations Mandate.



7994058393
www.enliteias.com | enliteias@gmail.com

5. Exercise DESERT FLAG VIII

In News

Indian Air Force to participate in Exercise Desert Flag VIII

About Desert Flag VIII

- Exercise Desert Flag is a **multilateral air exercise**.
- The participating Air Forces are from UAE, France, Kuwait, Australia, UK, Bahrain, Morocco, Spain, Republic of Korea, and USA.
- **The IAF will participate with five LCA Tejas and two C-17 Globemaster III aircraft**.
- It will be **first International Exercise outside India for LAC Tejas**.

6. Malabar naval exercise

In News

Australia to host Malabar naval exercise for first time this August.

About Exercise Malabar

- Exercise Malabar was a *naval exercise involving the United States, Japan and India as permanent partners.*
- *Australia was included as a permanent member of Ex Malabar in 2020*
- *Japan hosted the last edition of Malabar which was held in 2022.*
- *It marked 30 years of the exercise which began as a bilateral exercise between India and the U.S. in 1992.*

Ex Malabar 2023

- *Australia will host the naval exercise for the first time in 2023.*

7. Exercise Cobra Warrior

In News

Indian Air Force (IAF) to participate in Exercise Cobra Warrior at Waddington in UK.

About the Exercise

- The Exercise Cobra Warrior is a *multilateral Air exercise.*

Aim of the exercise:

Malabar Naval Exercise

Why in news?

- Malabar drill to be held off Australia for the first time in the coming month of August.

Malabar Naval Exercise

- History
 - It was started in 1992 as a bilateral naval exercise between India and US navy.
 - The first Malabar Exercise in the Bay of Bengal took place in 2007.
 - It was expanded into a trilateral format with the inclusion of Japan in 2015.
 - In 2020, the Australian Navy joined the Malabar Exercise, making it a quadrilateral naval exercise.
- Aim - To coordinate for a free, open, and inclusive Indo-Pacific.
- It takes place annually in the Indian Ocean and Pacific Oceans alternatively.
- This exercise includes a diverse range of activities such as fighter combat operations and maritime interdiction operations.



7994058393
www.enliteias.com enliteias@gmail.com

ENLITE IAS

- To participate in diverse fighter aircraft engagements.
- The *participating forces* are from Finland, Sweden, South Africa, United States of America and Singapore alongside Royal Air Force and *IAF*.
- The *IAF* is participating in the exercise with *five Mirage 2000 fighters, two C-17 Globemaster III* and an IL-78 mid-air refueller aircraft.
- Indian Air Force is participating with a contingent comprising 145 Air Warriors.

ENLITE IAS

INDEX/REPORTS

1. Gross Domestic Climate Risk

In News

- *Maharashtra, Tamil Nadu in world's top 50 regions at high risk due to climate change.*
- *Report Publisher: XDI Cross Dependency Initiative*

About the Report

- It focuses on the *extent of capital value at risk from extreme weather and climate change in states*, provinces and other territories, represented by vulnerability and exposure of the built environment.
- *Gross Domestic Climate Risk calculate* the physical climate risk to the built environment in over 2,600 territories around the world.
- It *focuses on areas where extensive residential, industrial or commercial built-up areas coincide with expected escalation of extreme weather* due to climate change.
- Physical risk refers to vulnerability from eight climate change events: heat waves, coastal flooding (and sea level rise), extreme wind, forest fire, soil movement (or other drought-related hazards), free thaw, riverine and surface flooding.
- *The index assigned an Aggregated Damage Ratio (ADR) to each region*, which signifies the total amount of damage a region's-built environment would sustain in 2050.
- *India, China and the USA are home to 80% of the most vulnerable cities* and centres of economic activity around the world.
- *Asia dominates the list largely*, with 114 of the top 200 regions falling in the continent.

2. National Achievement Survey

In News

Learning more effectively from the National Achievement Survey.

About the Survey

- The National Achievement Survey (NAS) is a large-scale national survey *conducted every three years*.
- It is conducted by the *National Council of Education Research and Training (NCERT) on behalf of Ministry of Education*.
- *It assesses the level of children's learning*.
- It gives a *system level reflection on effectiveness of school education*.

About NAS 2021

- The NAS 2021 survey assessed over **3.4 million students across grades 3, 5, 8, and 10.**
- It find out that the **average score across all grades and subjects were lower in 2021 than they were in 2017.**
- The learning levels decreased moving from the third to the tenth grade.
- NAS-2021 Portal has been developed by NIC as a dynamic platform.

3. International IP Index

In News

India ranks 42 among 55 on International IP Index.

About the Index

- **The International IP Index (Index)**, created by **the U.S. Chamber of Commerce.**
- The International IP Index creates a roadmap for economies seeking to strengthen the ecosystem for innovation and creativity through more effective IP standards.
- India ranks 42nd among 55 leading global economies.

4. Institute for Energy Economics and Financial Analysis (IEEFA)

In News

Karnataka best equipped to supply renewable energy: report

About IEEFA

- IEEFA is a **U.S. non-profit corporation**, recognized by the IRS as a 501(c) (3) tax-exempt corporation.
- It examines issues related to energy markets, trends, and policies.
- The Institute's mission is to accelerate the transition to a diverse, sustainable and profitable energy economy.
- IEEFA recently released report on Renewable Energy Trend in India.

About the Report

- The report analyses 16 Indian states, which together account for 90% of the country's annual power requirement, across four dimensions
- Karnataka and Gujarat are the states making the most progress in overall preparedness and commitment in the transition to clean electricity.
- Bihar, Uttar Pradesh, and West Bengal must utilise more of their renewable energy potential.



ENLITE IAS

Enlightening minds. Lightening journeys

PRELIMS 2023 REVISION & PYQ DISCUSSION



FOR ENQUIRIES
CALL: 7994058393

www.enliteias.com

First Floor, Twinkle Plaza, | 2nd Floor, Dwaraka Building, Near
Panavila Jn. Trivandrum, | Azhakodi Temple, Thiruthiyad, Kozhikode
Ph: 7994058393 | Ph: 7994433130