
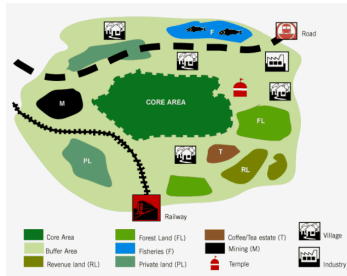




22 May 2024

National and International News

<p>Copernicus Emergency Management Service (EMS) Programme</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • A helicopter carrying Iranian President Ebrahim Raisi crashed in East Azerbaijan province recently. • A multi-agency effort is underway to locate the helicopter. • The European Union activated its Copernicus EMS rapid response mapping service. <p>About Copernicus Emergency Management Service (EMS) Programme:</p> <ul style="list-style-type: none"> • Copernicus EMS is a European Union program providing geospatial information in support of emergency response and disaster risk management. • It is part of the broader Copernicus Earth Observation program. • Main Services: <ul style="list-style-type: none"> ○ Rapid Mapping: Provides geospatial information within hours or days of a disaster event for emergency response. ○ Risk & Recovery Mapping: Offers detailed maps and analysis for disaster preparedness, recovery, and risk reduction. ○ Early Warning Systems: Includes European and Global Flood Awareness Systems (EFAS and GloFAS), European Forest Fire Information System (EFFIS), and Drought Observatory (EDO).
<p>R21/Matrix-M vaccine</p> 	<p>Why in news?</p> <ul style="list-style-type: none"> • The Serum Institute of India (SII) has announced the commencement of exports of the 'R21/Matrix-M' malaria vaccine to Africa, contributing to the global fight against the disease. <p>About R21/Matrix-M:</p> <ul style="list-style-type: none"> • A new malaria vaccine has been approved for preventing malaria in children. • It is the second malaria vaccine recommended by the WHO, following the RTS,S/AS01 vaccine. • Developed by the Jenner Institute at Oxford University and the Serum Institute of India. • Supported by the European and Developing Countries Clinical Trials Partnership (EDCTP), the Wellcome Trust, and the European Investment Bank (EIB).
<p>Critical Tiger Habitat (CTH)</p>	<p>Why in news?</p> <ul style="list-style-type: none"> • The Supreme Court has ordered the Rajasthan



government to shut down 68 mines operating within a 1-kilometre radius of the critical tiger habitat (CTH) in the Sariska reserve.

About Critical Tiger Habitat (CTH):

- Critical Tiger Habitat, also known as **Core Area**, is a **legally protected area** designated under the **Wildlife Protection Act of 1972** in India.
- It is **crucial for the survival and recovery of tiger populations**.
- **Purpose:** The **primary objective of CTH is to ensure the long-term conservation of tigers and their habitats** by maintaining an inviolate area where **human activities are restricted**.
- **Identification:** CTHs are **identified based on scientific criteria such as**
 - The presence of tigers,
 - Prey availability,
 - Habitat quality, and
 - Connectivity to other tiger habitats.
- **Management:** CTHs are **managed by the respective state forest departments** with support from the **National Tiger Conservation Authority (NTCA)** to implement **conservation measures and manage human-wildlife conflict**.
- **Relocation of Villages:** To create inviolate areas, villages within CTHs may be relocated. This is **done with the consent of the villagers and involves compensation packages** to ensure their livelihoods are not adversely affected.
- **Inviolate Areas:** These are areas within CTH where **no human activities, including resource extraction and tourism, are allowed** to ensure minimal disturbance to tigers and their prey.
- **Buffer Zones:** Surrounding the CTH, buffer zones are **established where limited human activities are permitted**. These areas act as a **transition zone between human settlements and core tiger habitats**.

Small Industries Development Bank of India (SIDBI)

Why in news?

- **Airbus Helicopters** and the **Small Industries Development Bank of India (SIDBI)** have signed a **Memorandum of Understanding (MoU)** to provide **financing solutions for the purchase of Airbus helicopters in India**.
- This **agreement aims to identify and support potential civil helicopter operators in India** who are interested in purchasing Airbus helicopters.

About SIDBI:



Daily Current Affairs Encyclopedia

	<ul style="list-style-type: none"> ● Established: 2nd April 1990, under an Act of the Indian Parliament ● Purpose: Principal financial institution for the promotion, financing, and development of the Micro, Small, and Medium Enterprise (MSME) sector ● Jurisdiction: Ministry of Finance ● Initial Incorporation: Wholly owned subsidiary of the Industrial Development Bank of India (IDBI) ● Current Ownership: Shares held by the Government of India (GoI) and 22 other institutions/PSBs/insurance companies owned or controlled by the Central Government ● Headquarters: Lucknow, Uttar Pradesh ● Functions: <ul style="list-style-type: none"> ○ Assists MSMEs in acquiring funds for growth, marketing, development, and commercialization of technologies and innovative products ○ Provides several schemes and offers financial services and products to meet the individual requirements of various businesses
<p>Bacterial Pathogens Priority List (BPPL)</p>	<p>Why in news?</p> <ul style="list-style-type: none"> ● The WHO's latest Bacterial Pathogens Priority List (BPPL) highlights major global threats posed by critical priority pathogens. ● These pathogens have a high burden, resist treatment, and spread resistance to other bacteria. <p>Key points:</p> <ul style="list-style-type: none"> ● The list includes gram-negative bacteria resistant to last resort antibiotics. ● It also features Mycobacterium tuberculosis resistant to the antibiotic Rifampicin. ● The list categorizes 15 families of antibiotic-resistant bacteria into three priority levels: critical, high, and medium. <p>About BPPL:</p> <ul style="list-style-type: none"> ● Purpose: The BPPL is designed to identify bacterial pathogens that pose the greatest threat to public health due to their resistance to antibiotics. ● Origin: Developed by the World Health Organization (WHO) in 2017. ● Criteria for Selection: <ul style="list-style-type: none"> ○ The level of resistance, ○ Mortality rates, ○ Prevalence in the community, ○ Healthcare burden, and ○ Potential for spreading resistance.



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