

# Daily Current Affairs

## 04 December 2023

### World's First Portable Hospital

- The World's first portable hospital, '**Aarogya Maitri Aid Cube**' was unveiled in Gurugram.
- Designed indigenously under the **Project 'BHISHM'**, the modular trauma management and aid system is made up of 72 detachable mini-cubes, each being a specialized station for emergency response and humanitarian efforts.



- It can handle **bullet injuries**, burns, head, spinal and chest injuries, minor surgeries, fractures and major bleeding.
- It can treat as many as 200 patients. These cubes are light and portable, and can be rapidly deployed anywhere, from airdrops to ground transportation.
- The mobile hospital is part of India's message of **health for all** and assisting other nations during their times of crises.

### Lead IT 2.0

- PM Modi **launches LeadIT 2.0**, prioritizing inclusive industry transition.
- The initiative aims to **co-develop low-carbon tech** and offer financial aid to emerging economies.
- On the sidelines of the 28th edition of the climate change conference, COP28, taking place in Dubai, Prime Minister Narendra Modi unveiled LeadIT 2.0.

- The initiative, with a primary focus on an **inclusive and just industry transition**, aims to facilitate the co-development and transfer of low-carbon technology while providing financial assistance to emerging economies.
- The initiative **seeks to bridge the technological gap** by promoting cooperation between nations for the development and transfer of **low-carbon technologies**.
- The focus on inclusivity underscores the importance of ensuring that emerging economies have access to sustainable and environmentally friendly technologies.



## Bihar Launches 'Mission Daksh'

- The Bihar government launched '**Mission Daksh**' (Dynamic Approach for Knowledge and Skill), aiding around **25 lakh students** facing academic challenges in **Classes 3-8** in government-operated schools.
- The Bihar government launched a new initiative aimed at supporting nearly 25 lakh children facing significant academic challenges in **state-run schools**.
- "**Mission Daksh**" (Dynamic Approach for Knowledge and Skill), the initiative focuses on **providing specialized Hindi, Mathematics, and English classes** to students in classes 3-8 statewide.
- Each teacher will mentor only five students, specifically those struggling with fluency in Hindi and English and facing challenges in basic Mathematics.
- To ensure the effective implementation of 'Mission Daksh,' **district-wise monitoring committees**, led by district magistrates, will oversee the program's progress.
- The committees will play a pivotal role in daily supervision starting from December 1.

- Following inspections that identified a considerable number of **academically weak students** during regular monitoring, the department prioritizes the identification of such students.
- 'Mission Daksh' focuses on addressing the individual needs of these students to **enhance their academic performance**.



## COP28 - 5 Billion Dollars For Climate Action

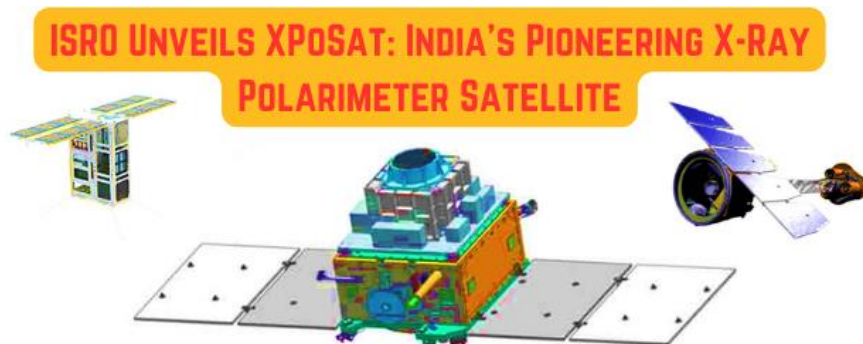
- The 'Business & Philanthropy Climate Forum' at COP28 witnessed a historic collaboration, as Green Climate Fund, Allied Climate Partners, and Allianz Global Investors pledged 5 billion dollars to advance climate and nature action.
- The forum, a **first-of-its-kind private-sector engagement** initiative within the COP program, brought together over 1,300 global business leaders and philanthropists, amplifying the private sector's call for inclusion in the COP process.
- COP28 President, Dr. Sultan Al Jaber, emphasized the importance of leveraging private sector knowledge and resources to address climate finance challenges.
- He stated that, to **fix climate finance**, the forum must leverage the knowledge, resources, and power of the private sector to ensure that necessary funding to those in need may be delivered, particularly in the global south.
- COP28 is committed to **directing capital from multiple sources** to meet the trillions of dollars required to attack emissions so that a just, orderly transition can be achieved, he added.
- **Strategic partners for the forum** included the Sustainable Markets Initiative, with additional support from International Finance Corporation (IFC), Organisation for Economic Co-operation and Development (OECD), World

Economic Forum (WEF), Asian Development Bank (ADB), Africa Finance Corporation (AFC), Bill & Melinda Gates Foundation, IDB Invest, World Business Council for Sustainable Development (WBCSD), and XPRIZE.



## ISRO Unveils XPoSat

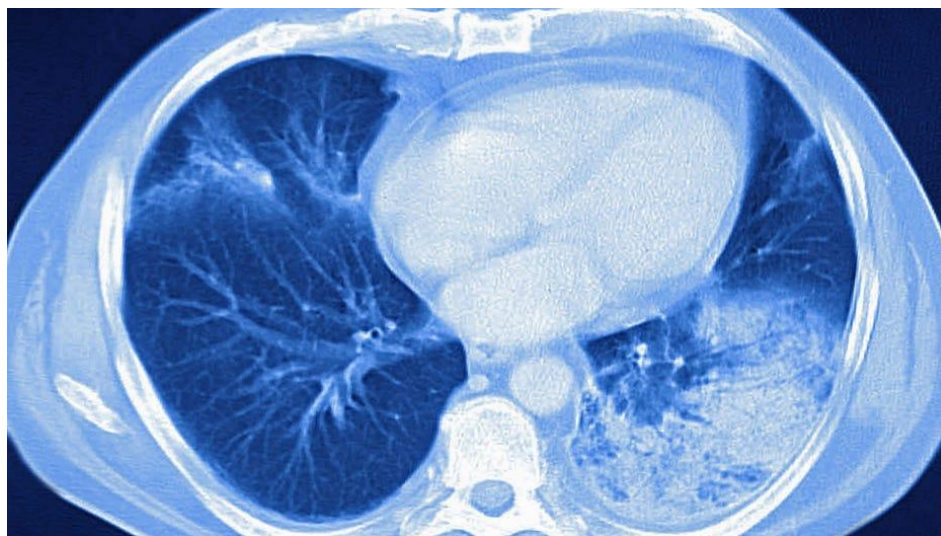
- The **Indian Space Research Organization (ISRO)** has recently announced its ambitious plan to launch the **country's first X-Ray Polarimeter Satellite (XPoSat)**.
- This groundbreaking mission aims to **delve into the polarization of intense X-Ray sources**, introducing a novel dimension to X-Ray astronomy.
- With a focus on simultaneous studies of temporal, spectral and polarization features, XPoSat is poised to make significant contributions to our understanding of cosmic X-Ray sources.



- The XPOsat spacecraft is designed for observation **from Low Earth Orbit**, with a non-sun synchronous orbit of approximately 650 km altitude and a low inclination of around six degrees.
- The mission boasts **two scientific payloads**, allowing for comprehensive studies of bright X-Ray sources.
- The spacecraft is expected to have a **mission life of approximately five years**, during which it will carry out observations during the eclipse period, when the spacecraft transits through Earth's shadow.

## White Lung Syndrome Outbreak

- A new strain of **bacterial pneumonia**, commonly referred to as '**White Lung Syndrome**,' is causing concern in various countries, including China, Denmark, the United States, and the Netherlands.
- Primarily affecting **children between the ages of three and eight**, this illness is associated with lung damage visible as **white patches on X-rays**.



- While the exact cause is under investigation, experts suggest that a combination of bacterial, viral, and environmental factors may contribute to White Lung Syndrome.
- Viruses like influenza or COVID-19, bacterial infections (such as Mycoplasma pneumoniae), and environmental factors like inhaling silica dust can all potentially induce this syndrome.
- The term '**White Lung Syndrome**' encompasses **various respiratory conditions**, including: Acute Respiratory Distress Syndrome (ARDS), Pulmonary Alveolar

Microlithiasis (PAM), Silicosis. Symptoms may include shortness of breath, coughing, and chest pain.



## "Bio Vision" For Bharat

- Addressing the **first-ever meeting of the BRIC Society** after its registration on 10th November, 2023 after getting the Cabinet approval, Union Minister of State (Independent Charge) Science & Technology; MoS PMO, Personnel, Public Grievances, Pensions, Atomic Energy and Space, Dr Jitendra Singh said here today that time has come for **defining "Bio-vision" for Bharat**.
- The new Apex Autonomous Society called **Biotechnology Research and Innovation Council (BRIC)** will fulfil Prime Minister Narendra Modi's Vision for Atma Nirbhar Bharat in areas like healthcare, food and energy needs by scaling biotech research and innovation.



- Dr Jitendra Singh said, Indian Bio-economy recorded **13 times increase in the last ten years**.
- The Minister quoted PM Modi as saying, “India is not too far from reaching the league of top-10 countries in Biotech's global ecosystem”.
- BRIC is going to be a testimony to this and again by **inculcating the spirit of Sabka Prayas**, the government is bringing together the best minds on a unified platform.
- Dr Jitendra Singh informed that the **Department of Biotechnology (DBT), Ministry of Science and Technology** is functioning as the **nodal agency** for promotion of Biotechnology in the country.
- It was accorded the Cabinet approval for rationalization of its 14 Autonomous Institutions (AIs) by subsuming them under one Apex Autonomous Society viz. Biotechnology Research and Innovation Council (BRIC), for centralized and unified governance to maximize impact of biotech research across the country.

## International Maritime Organisation

- India was **re-elected to the International Maritime Organisation (IMO) Council** with the highest tally at elections held at its Assembly in London for the 2024-25 biennium.
- India's re-election reflects the government's commitment to **enhancing India's diverse contributions** to global maritime operations.
- The IMO is a specialised agency of the **United Nations** responsible for regulating shipping.
- It was established following agreement at a UN conference held in Geneva in **1948** and came into existence 10 years later, meeting for the first time in 1958.
- Headquartered in London, United Kingdom, **IMO currently has 175 Member States** and three Associate Members.



- India joined the **IMO in 1959** and the IMO currently lists India as among the 10 states with the largest interest in international seaborne trade.
- The IMO's **primary purpose** is to develop and maintain a comprehensive regulatory framework for shipping and its mandate includes -
- Maritime safety, Environmental concerns, Legal matters, Technical co-operation, Maritime security and The efficiency of shipping.
- In other words, its role is to create a level playing-field so that ship operators do not have to compromise on safety, security, and environmental performance in order to address financial difficulties.
- This approach also encourages innovation and efficiency.

## Global Drought Snapshot

- The recently launched report by the **UN Convention to Combat Desertification (UNCCD)** sheds light on the alarming impact of drought worldwide.
- The **Global Drought Snapshot**, released at the beginning of the 28th Conference of Parties (COP28) to the UN Framework Convention on Climate Change (UNFCCC) in Dubai, exposes the **devastating consequences of droughts on lives, economies, and various sectors.**



- Based on data reported by **101 Parties to the UNCCD**, the report reveals that a staggering 1.84 billion people experienced the effects of drought.
- Among them, 4.7% faced severe or extreme drought conditions. This stark reality underscores the widespread human toll of this natural hazard. Drought's severity prompted emergency declarations in 23 countries.



- Notably, **Europe faced the highest number of declarations**, with Spain, Italy, and the United Kingdom declaring emergencies in 2023. Greece, Portugal, Romania, and Serbia declared emergencies in 2022. The spreading impact of drought reached many European countries, coinciding with their hottest summers.

## REVIEW QUESTIONS

### 1. What Is Name Of World's 1<sup>st</sup> Portable Hospital Unveiled In Gurugram

- A. Aarogya Aid Cube
- B. Aarogya Maitri Aid Cube
- C. Emergency Response Cube
- D. Trauma Management Cube

**ANSWER: B**

### 2. Which Organization Unveiled The X-Ray Polarimeter Satellite (XPoSAt)

- A. DRDO
- B. ISRO
- C. HAL
- D. BARC

**ANSWER: B**

### 3. Primary Focus Of 'Mission Daksh' Launched By Bihar Government

- A. Infrastructure Development
- B. Doctor Skill Enhancement
- C. Health Awareness Programs
- D. Academic Support For Students

**ANSWER: D**

### 4. What Is The Mission Life Expectancy Of The XPosat Satellite

- A. Two Years
- B. Three Years
- C. Five Years
- D. Eight Years

**ANSWER: C**

**5. Goal Of LeadIT 2.0 Unveiled By Prime Minister Narendra Modi**

- A. Financial Aid For Health Sector
- B. Low-carbon Technology Development
- C. Educational Initiatives
- D. Industrial Growth Support

**ANSWER: B**

**6. Global Drought Snapshot Launched By**

- A. UN Convention To Combat Desertification
- B. Ministry of environment
- C. Global Footprint Network
- D. World Wide Fund

**ANSWER: A**

**7. Which Institution Launched Centre Of Data For Public Good**

- A. NITI Aayog
- B. IISc
- C. DRDO
- D. IIT Madras

**ANSWER: B**

**8. Which City Is The Host Of The '2030 World Expo'**

- A. Riyadh
- B. Rome
- C. New Delhi
- D. Geneva

**ANSWER: A**

**9. 'AstroSat' Is A Space Telescope Launched By Which Country**

- A. USA
- B. Russia
- C. India
- D. China

**ANSWER: C**

**10. Pressmud Is A Residual Byproduct Obtained In Which Industry**

- A. Automobile
- B. Sugar
- C. Coal
- D. Steel

**ANSWER: B**

**11. Which Country Signed MoU With Pakistan To Invest Around USD 20 Billion**

- A. Israel
- B. UAE
- C. Oman
- D. Afghanistan

**ANSWER: B**

**12. PM JANMAN Scheme Is Associated With Which Category Of People**

- A. MSME Owners
- B. PVTGs
- C. Farmers
- D. NRIs

**ANSWER: B**

**13. Which State Clinched 13<sup>th</sup> Senior National Men's Hockey Championship**

- A. Punjab
- B. Tamil Nadu
- C. Rajasthan
- D. Kerala

**ANSWER: A**

**14. Which Institution Constituted Taskforce To Examine Impact Of Digital Personal Data Protection Act On Insurance Sector**

- A. Ministry of Electronics and IT
- B. IRDAI
- C. RBI
- D. SEBI

**ANSWER: B**

**15. Mahe, Malvan And Mangrol Are Names Of**

- A. Anti Submarine Warships
- B. Unmanned Aerial Vehicles
- C. Submarines
- D. Intercontinental Missiles

**ANSWER: A**

**16. IUCN Has Developed 3 Action Plans For Threatened Pollinator Groups In Which Continent**

- A. Africa
- B. Europe
- C. Australia
- D. Asia

**ANSWER: B**

**17. Angadvir Singh Bajwa Seen In News, Is Associated With Which Sports**

- A. Shooting
- B. Cricket
- C. Football
- D. Chess

**ANSWER: A**

**18. Shamsi Talab, Is A Water Storage Reservoir Located In Which State/ UT**

- A. Assam
- B. New Delhi
- C. Uttar Pradesh
- D. Rajasthan

**ANSWER: B**

**19. Which Film Received Silver Peacock Award At 54<sup>th</sup> International Film Festival Of India**

- A. Featherweight
- B. Kantara
- C. Sarpatta Parambarai
- D. A Thursday

**ANSWER: B**

**20. Who Has Been Appointed As India's First Woman Aide De Camp By Mizoram Governor**

- A. Manisha Padhi
- B. Anjali Singh
- C. Avni Chaturvedi
- D. Kavita A. Walia

**ANSWER: A**