



13 June 2024

National and International News

<p><b>New craters on Mars</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• <b>Scientists from the Physical Research Laboratory (PRL)</b> in Ahmedabad have made a discovery on Mars.</li> <li>• They have <b>found three new craters on the planet.</b></li> </ul> <p><b>Key points:</b></p> <ul style="list-style-type: none"> <li>• These craters are located in the <b>Tharsis volcanic region</b> (around 21.0 S, 209 W) on <b>Mars.</b></li> <li>• The <b>International Astronomical Union (IAU)</b> Working Group for <b>Planetary System Nomenclature</b> has <b>approved the naming of these three craters</b>, based on the recommendation of the PRL.</li> </ul> <p><b>About International Astronomical Union (IAU):</b></p> <ul style="list-style-type: none"> <li>• <b>Formation Date:</b> The IAU was founded in <b>1919.</b></li> <li>• <b>Headquarters:</b> Paris, France.</li> <li>• <b>Objective:</b> <ul style="list-style-type: none"> <li>○ To promote and safeguard the <b>science of astronomy</b> through international cooperation.</li> <li>○ To coordinate, develop, and promote <b>astronomical research.</b></li> <li>○ To ensure that <b>astronomical observations and theoretical studies are shared and discussed globally.</b></li> </ul> </li> <li>• <b>Membership:</b> <ul style="list-style-type: none"> <li>○ Comprises over 13,500 individual members from 107 countries.</li> <li>○ Members are <b>professional astronomers.</b></li> </ul> </li> <li>• <b>Major Functions:</b> <ul style="list-style-type: none"> <li>○ <b>Naming and defining astronomical objects and phenomena.</b></li> <li>○ <b>Organizing scientific meetings</b>, such as the General Assembly held every three years.</li> <li>○ Providing guidelines and recommendations on <b>astronomical standards and practices.</b></li> </ul> </li> </ul>
-----------------------------------	--



Daily Current Affairs Encyclopedia

Nitrous oxide (N2O) emissions

Why in the news?

- Nitrous oxide (N2O) emissions increased by 40% between 1980 and 2020.
- The largest emitter of N2O is China, followed by India and the US.

Key points:

- The Global Carbon Project, a network of climate scientists, conducted a study.
- The study found that 74 per cent of the nitrous oxide emissions in the past decade were due to agriculture.
- The main sources of these emissions were the use of nitrogen fertilizers and animal manure in agriculture.
- The top 10 emitters are China, India, the US, Brazil, Russia, Pakistan, Australia, Indonesia, Turkey, and Canada.
- N2O is the third most significant greenhouse gas after carbon dioxide and methane and is 273 times more potent than CO2 over 100 years.
- To keep the global temperature rise below 2 degrees Celsius, N2O emissions from human activities must decrease by at least 20% from 2019 levels by 2050.



Atomic Clock

Why in the news?

- Researchers have built a **portable optical atomic clock**.
- This clock can be **used onboard ships**.
- According to the researchers, it is the **most performant optical clock at sea**.

About Atomic Clock:

- An atomic clock is a **device that measures time using the vibrations of atoms**.
- It specifically **uses the oscillations of the electrons in atoms** to keep time.
- It is the **most accurate time-keeping device available**, with a **margin of error of just a few billionths of a second per day**.
- Atomic clocks are far **more precise than conventional clocks** because atomic oscillations have a much higher frequency and are much more stable.
- They are **used in** many applications that require very precise timing, such as **GPS systems, telecommunications networks** and **scientific research**.



Daily Current Affairs Encyclopedia

Notified disasters

Why in the news?

- There is an ongoing spell of **extreme heat** in many parts of the country.
- This situation has reopened discussions on the **inclusion of heatwaves as one of the notified disasters**.
- This inclusion is being considered under the **Disaster Management (DM) Act, 2005**.

About Notified disasters:

- The **Disaster Management Act, 2005** in India **defines a disaster as a catastrophe, mishap, calamity or grave occurrence arising from natural or man-made causes**.
- **The Act includes 12 categories of notified disasters:** Cyclone, Drought, Earthquake, Fire, Flood, Tsunami, Hailstorm, Landslide, Avalanche, Cloudburst, Pest attack, Frost and cold waves.
- These **notified disasters are eligible for relief assistance** under the **State Disaster Response Fund (SDRF)** and **National Disaster Response Fund (NDRF)**.
- **Heatwaves are not currently included as a notified disaster under the Act**, despite being a significant concern in India.
- **Criteria for notifying a disaster under the Act:**
  - The **event must be a catastrophe**, mishap, calamity or grave occurrence.
  - It must arise from **natural or man-made causes**.
  - It **must result in substantial loss of life, destruction of property, or damage** to the environment.
  - It must also be of such nature which is **beyond the coping capacity of the community**.



Daily Current Affairs Encyclopedia

International Organization of Migration (IOM)

Why in the news?

- A boat carrying migrants capsized off the coast of Yemen.
- The U.N. migration agency, the International Organization of Migration (IOM), reported the incident.

About IOM:

- **Establishment:** The International Organization for Migration (IOM) was established in **1951**.
- **Headquarters:** IOM's headquarters are located in **Geneva, Switzerland**.
- **Membership:** As of now, IOM has 175 member states and 8 observer states.
- **Objective:** The primary objective of IOM is to **promote humane and orderly migration for the benefit of all**, by providing services and advice to governments and migrants.

Kerala Regional News



# Daily Current Affairs Encyclopedia

<p><b>Institute of Palliative Medicine (IPM)</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• The <b>Institute of Palliative Medicine (IPM)</b>, <b>Kozhikode</b> and the <b>Trivandrum Institute of Palliative Sciences (TIPS)</b> under <b>Pallium India</b> have collaborated to work in areas of mutual interest.</li> <li>• Both institutions are major providers of palliative care in <b>Kerala</b>.</li> </ul> <p><b>About Institute of Palliative Medicine (IPM):</b></p> <ul style="list-style-type: none"> <li>• The Institute of Palliative Medicine (IPM) is a <b>pioneer in the palliative care movement in South East Asia</b>.</li> <li>• It is the <b>first World Health Organisation Collaborating Centre for Community Participation in Palliative Care and Long Term Care (WHOCC)</b> in developing countries.</li> <li>• The IPM is <b>instrumental in developing the “Kerala Model” of palliative care</b>.</li> </ul> <p><b>Did you know?</b></p> <ul style="list-style-type: none"> <li>• Palliative care is a <b>specialized form of medical care</b> aimed at <b>providing relief from the symptoms, pain, and stress of serious illness</b>.</li> <li>• It is <b>designed to improve the quality of life</b> for patients facing <b>life-threatening illnesses and their families</b>.</li> <li>• Palliative care <b>addresses not only physical symptoms but also psychological, social, and spiritual issues</b>.</li> </ul>
--	---



<p><b>World Day against Child Labour</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• <b>Kerala will be declared a child labour-free State in 2025</b>, Minister for Labour V. Sivankutty has said.</li> <li>• The <b>World Day against Child Labour is celebrated on June 12 every year.</b></li> </ul> <p><b>About World Day against Child Labour:</b></p> <ul style="list-style-type: none"> <li>• <b>Establishment:</b> The <b>International Labour Organization (ILO)</b> launched the first World Day Against Child Labour in <b>2002</b>.</li> <li>• <b>Purpose:</b> The day is intended to serve as a <b>catalyst for the growing worldwide movement against child labour.</b></li> <li>• <b>Theme for 2024:</b> The theme for the year 2024 is "<b>Let's Act on Our Commitments: End Child Labour!</b>".</li> <li>• <b>Goal:</b> With the adoption of <b>Sustainable Development Goal Target 8.7</b>, the international community made a <b>commitment to the elimination of child labour in all its forms by 2025.</b></li> </ul>
<p><b>Cyberwall project</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• Steps are being taken to launch an <b>AI-based 'Cyberwall' project</b> under the <b>State police's cyber division.</b></li> <li>• Once fully operational, the <b>public can use it to verify the authenticity of phone numbers, social media profiles, and URLs.</b></li> <li>• The <b>announcement</b> was made during the <b>discussion on the demands for grants in the 2024-25 Budget</b> for the Police department.</li> <li>• The <b>Police department plans to link the project to Pol-App, the Kerala Police application.</b></li> </ul>



Daily Current Affairs Encyclopedia

UArctic

Why in the news?

- The **International Centre for Polar Studies (ICPS)** at **Mahatma Gandhi University (MGU), Kottayam**, has **joined the University of the Arctic (UArctic)**.
- The decision to accept ICPS as a member university was made during the **5th UArctic Assembly Meeting** held in **Bodø, Norway**.

About UArctic:

- **Establishment:** UArctic was established in **2001**.
- **Objective:** UArctic aims to **enhance educational opportunities and promote sustainable development in the Arctic region** by fostering cooperation among its member institutions.
- **Membership:** UArctic consists of over 200 member institutions, including universities, colleges, research institutes, and other organizations committed to higher education and research in the North.
- **Programs and Activities:**
  - North2North Student Mobility Program
  - Arctic Indigenous Education
  - Field Schools
- **Key Initiatives:**
  - **Arctic Council Cooperation:** UArctic collaborates closely with the **Arctic Council** to support its priorities and initiatives.
  - **Arctic Science Summit Week (ASSW):** An annual event that brings together scientists, policymakers, and other stakeholders to discuss Arctic research and policy.





## Daily Current Affairs Encyclopedia

<p><b>Kerala State Planning Board</b></p>	<p><b>Why in the news?</b></p> <ul style="list-style-type: none"> <li>• The Indian Council of Agricultural Research (ICAR) - Central Plantation Crops Research Institute (CPCRI) Regional Station, <b>Kayamkulam</b> is organising a two-day national seminar.</li> <li>• The seminar is on ‘<b>Climate Smart Agriculture for Sustainable Soil and Plant Health in Plantation Crops</b>’.</li> <li>• The seminar will be inaugurated by V.K. Ramachandran, vice-chairman of the <b>Kerala State Planning Board</b>.</li> </ul> <p><b>About Kerala State Planning Board:</b></p> <ul style="list-style-type: none"> <li>• <b>Establishment:</b> The Kerala State Planning Board was established in <b>1967</b>.</li> <li>• <b>Headquarters:</b> Located in <b>Thiruvananthapuram</b>, Kerala, India.</li> <li>• <b>Objective:</b> The primary objective of the Kerala State Planning Board is <b>to assist the state government in formulating development plans and policies to promote sustainable and balanced economic growth in Kerala</b>.</li> </ul>
---	--

**Copyright © by Adda247**

*All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Adda247.*