

1. Recently, which state has released guidelines on the prevention, diagnosis, and treatment of the rare disease amoebic meningoencephalitis?

- A. Tamil Nadu
- B. Kerala
- C. Karnataka
- D. Gujarat



- ✓ Kerala has issued technical guidelines for diagnosing and managing amoebic meningoencephalitis. Primary amoebic meningoencephalitis (PAM) is a rare, often fatal infection caused by the brain-eating amoeba *Naegleria fowleri*, found in freshwater. Symptoms include headache, fever, nausea, and vomiting, typically after exposure to warm, stagnant freshwater. PAM has a high mortality rate over 97%. Treatment remains uncertain but should involve amebicidal drugs that can cross the blood-brain barrier.

2. Krishnaraja Sagar and Kabini dams are located in which state?

- A. Tamil Nadu
- B. Maharashtra
- C. Karnataka
- D. Kerala



- ✓ A flood alert has been issued for low-lying areas downstream of Karnataka's Krishnaraja Sagar (KRS) dam due to a water inflow exceeding 69,000 cusecs. The alert affects regions along the Cauvery River in Mysuru and Chamarajanagar districts. The KRS dam's inflow surpassed 60,000 cusecs for the second consecutive day, prompting a release of 50,000 cusecs. The Kabini dam also recorded high inflows. Rising water levels have led to the closure of tourist sites like Ranganathittu Bird Sanctuary.

3. Which country will host the inaugural Olympic Esports Games 2025?

- A. Iran
- B. Saudi Arabia
- C. Jordan
- D. UAE



- ✓ The International Olympic Committee (IOC) and the National Olympic Committee (NOC) of Saudi Arabia announced that Saudi Arabia will host the inaugural Olympic Esports Games in 2025. This historic partnership will last for 12 years, ensuring that the Olympic Esports Games are held regularly.

4. Recently, which state became the first in the country to introduce the concept of Gross Environment Product index?

- A. Kerala
- B. Uttarakhand
- C. Himachal Pradesh
- D. Meghalaya



- ✓ **Uttarakhand became the first state in India to introduce the Gross Environment Product (GEP) index, which measures the impact of developmental activities on the environment. Launched by Chief Minister Pushkar Singh Dhami, the GEP equation is based on air, water, soil, and forest quality indices. This initiative follows aims to balance economy and ecology by assessing environmental conditions directly affected by development.**

5. Recently, which Indian Shooter has been awarded the Olympic Order by the International Olympic Committee?

- A. Abhinav Bindra
- B. Jaspal Rana
- C. Manu Bhaker
- D. Pranju Somani



- ✓ **Indian shooting legend Abhinav Bindra has been awarded the Olympic Order by the IOC for his outstanding contributions to the Olympic Movement. The ceremony will be held on August 10 during the 142nd IOC Session in Paris. Bindra, India's first individual Olympic gold medallist, won the men's 10m air rifle event at the 2008 Beijing Games. He has also served on the ISSF Athlete Committee and the IOC Athlete Commission.**

6. Upper Karnali Hydro-Electric Power Project is located in which country?

- A. Bhutan
- B. Nepal
- C. India
- D. Myanmar



- ✓ **The Indian Renewable Energy Development Agency Limited (IREDA) will invest ₹290 crore in the 900 MW Upper Karnali Hydro-Electric Power Project on Nepal's Karnali River. This run-of-the-river project will supply power to Nepal, India, and Bangladesh for 25 years. Awarded to GMR Upper Karnali Hydro Power Limited in 2008, it will generate 3,466 million units of electricity annually, offsetting two million tons of greenhouse gas emissions.**

7. Which institution recently signed a Joint Letter of Intent with World Intellectual Property Organization to develop programs for countries in the global south?

- A. WAPCOS
- B. World Bank
- C. NITI Aayog
- D. IIT, Delhi



NITI Aayog

- ✓ On July 22, 2024, a high-level WIPO delegation signed a Joint Letter of Intent (JLoI) with Atal Innovation Mission (AIM) of NITI Aayog in New Delhi. The JLoI aims to develop programs for innovation, entrepreneurship, and intellectual property in the Global South. WIPO, a UN agency, releases the annual Global Innovation Index (GII). In 2023, India ranked 40th, and in 2022, India saw the highest global patent filing growth at 31.6%.

8. Which day is observed as 'National Broadcasting Day' every year?

- A. July.20
- B. July.23
- C. July.25
- D. July.31



**National
Broadcasting Day
23 July**

- ✓ National Broadcasting Day is celebrated in India every July 23, marking the start of radio broadcasting on this day in 1927 by the Indian Broadcasting Company from Bombay. Renamed All India Radio (AIR) in 1936, it grew into one of the world's largest networks. Radio has been vital in connecting India, offering news, music, and stories, and playing a key role in historical events like the freedom struggle.

9. National Centre for Polar and Ocean Research (NCPOR) is an autonomous research institute established under which ministry?

- A. Ministry of Ports, Shipping and Waterways
- B. Ministry of Defence
- C. Ministry of Earth Sciences
- D. Ministry of Urban Development



- ✓ The National Centre for Polar and Ocean Research (NCPOR) is constructing a new ocean research vessel for India's Deep Ocean Mission to explore rare minerals in the Indian Ocean. Established in 1998, NCPOR is India's leading R&D institution for Polar and Southern Ocean research. It coordinates polar expeditions and scientific research in Antarctica, the Arctic, the Himalayas, and the Southern Ocean, and is located in Vasco da Gama, Goa, under the Ministry of Earth Sciences.

10. Charaideo Maidam is located in which state?

- A. Assam
- B. Manipur
- C. Nagaland
- D. Sikkim



- ✓ Charaideo Maidam will become North East India's first world heritage site in the cultural category and India's 43rd overall. Located in Assam, these ancient burial mounds of Ahom kings and nobles date back to the 13th to 18th centuries. Revered as sacred by the Ahom community, the Maidams resemble large grass-covered hillocks. Kaziranga and Manas National Parks are the other world heritage sites from North East India in the natural category.

11. What is 'S. thermophilus'?

- A. Bacteria
- B. Virus
- C. Fungus
- D. Protozoa



- ✓ Scientists at the Agharkar Research Institute (ARI) in India discovered a new strain of lactic acid bacteria while studying S. thermophilus. This gram-positive, non-motile bacterium, found in the digestive tract, produces lactic acid, aiding in food breakdown, nutrient absorption, and fighting harmful organisms. It improves lactose digestion, reduces inflammation, and lowers the risk of inflammatory bowel disease. S. thermophilus is used in yogurt production and probiotic supplements.

12. Which organization recently released the 'State of the World's Forests 2024 Report'?

- A. SEBI
- B. NABARD
- C. Food and Agriculture Organization
- D. Ministry of Agriculture



- ✓ The FAO's "State of the World's Forests 2024" report, themed "Accelerating Forest solutions through innovation," highlights a decline in deforestation rates to 10.2 million ha per year in 2015–2020 from 15.8 million ha in 1990–2000. India ranks 3rd for average annual net forest area gain (2010-2020). Non-Timber Forest Products support 275 million Indian livelihoods. Innovation is crucial for climate resilience, bioeconomy shifts, and leveraging non-wood forest products' nutritional benefits.

13. Kalaripayattu is the traditional martial art form popularly practiced in which state?

- A. Tamil Nadu
- B. Kerala
- C. Arunachal Pradesh
- D. Punjab



- ✓ The Union Minister for Youth Affairs and Sports announced in the Lok Sabha that the Indian Kalaripayattu Federation has been recognized as the Regional Sports Federation to promote Kalaripayattu in India. This traditional martial art, originating in Kerala, is believed to have been established by the warrior sage Parasurama. The term "Kalaripayattu" combines "kalari" (place of combat) and "payattu" (fighting) in Malayalam.

14. Recently, which organization successfully carried out a second experimental flight for the demonstration of Air Breathing Propulsion Technology?

- A. CNSA
- B. ISRO
- C. JAXA
- D. NASA



- ✓ ISRO successfully conducted the second experimental flight for Air Breathing Propulsion Technology, which uses atmospheric oxygen as an oxidizer instead of carrying one onboard. This makes rockets lighter and more efficient. However, the technology is applicable only within the denser layers of Earth's atmosphere (up to 70 kilometers altitude). Beyond this, rockets must switch to a stage with both fuel and an onboard oxidizer.

15. Which day is observed as 'National Income Tax Day' every year?

- A. 23 July
- B. 24 July
- C. 25 July
- D. 26 July



- ✓ Since 2010, India observes National Income Tax Day on July 24, commemorating the first imposition of income tax by Sir James Wilson in 1860. The day highlights the importance of timely tax payments for national development. The first observance marked the 150th anniversary in 2010. The Income Tax Act of 1922 established the framework for direct tax administration, later consolidated by the 1961 Act after Independence.

16. What is the primary goal of the MSME-TEAM Initiative?

- A. To assist MSMEs in obtaining loans
- B. To onboard five lakh MSMEs onto the ONDC platform
- C. To provide training for MSME employees
- D. To develop new marketing strategies for MSMEs



- ✓ **The Ministry of MSME launched the “MSME Trade Enablement and Marketing Initiative” (MSME-TEAM Initiative) under the RAMP scheme. It aims to assist five lakh MSMEs, including two and a half lakh women-owned MSEs, in onboarding the Open Network Digital Commerce (ONDC) platform. The initiative offers financial assistance for catalogue preparation, logistics, and packaging. Awareness workshops will target Tier 2 and Tier 3 cities. The sub-scheme runs until March 2027.**

17. What is the primary objective of the Digital Postal Index Number (DIGIPIN)?

- A. To create a new postal code system
- B. To replace traditional addresses with QR codes
- C. To implement a new mail sorting system
- D. To establish a standardized, geo-coded addressing system in India



- ✓ **The Department of Posts launched the beta version of DIGIPIN, a geo-coded addressing system developed with IIT Hyderabad. DIGIPIN aims to simplify addressing for public and private services by creating and sensing geo-locations of addresses. This system will enhance public service delivery, emergency response, and logistics efficiency. It can be used as a base layer for various ecosystems requiring accurate addressing.**

18. According to Union Budget 2024-25, how many industrial parks have been sanctioned under the National Industrial Corridor Development Programme (NICDP)?

- A. 10
- B. 01
- C. 12
- D. 21



- ✓ **The Union Budget 2024-25 proposes creating twelve industrial parks under the National Industrial Corridor Development Programme. The government will develop investment-ready industrial parks in or near 100 cities, partnering with states and the private sector. Industrial parks, like Andhra Pradesh’s Sri City SEZ, foster employment, shared infrastructure, enhanced productivity, and attract Foreign Direct Investment, expanding manufacturing activity.**

19. Electric Mobility Promotion Scheme (EMPS) launched by which ministry?

- A. Ministry of Power
- B. Ministry of Urban Development
- C. Ministry of Heavy Industries
- D. Ministry of Defence



भारी उद्योग मंत्रालय
MINISTRY OF
HEAVY INDUSTRIES

- ✓ **The Electric Mobility Promotion Scheme (EMPS) was launched in March 2024 by the Union Ministry of Heavy Industries to accelerate EV adoption and will end on July 31, 2024. With a total outlay of Rs. 500 crores, the scheme targets two-wheelers (private, corporate, and commercial) and three-wheelers (including e-rickshaws and carts). Eligible EVs must be manufactured and registered within the scheme's validity period.**

20. What is the primary aim of the Pradhan Mantri Janjatiya Unnat Gram Abhiyan?

- A. To improve the infrastructure in urban areas
- B. To enhance the socio-economic condition of tribal communities
- C. To promote digital literacy in rural areas
- D. To increase agricultural productivity



- ✓ **The Union Budget introduced the Pradhan Mantri Janjatiya Unnat Gram Abhiyan, aimed at improving the socio-economic status of tribal communities. The scheme will use a saturation approach to target tribal-majority villages and aspirational districts, focusing on education, health, and skill development. It plans to cover 63,000 villages and benefit 5 crore tribal people nationwide.**

21. How much funding has the Finance Ministry recently allocated for the Namu Drone Didi scheme?

- A. Rs 600 crore
- B. Rs 500 crore
- C. Rs 400 crore
- D. Rs 300 crore



- ✓ **The Finance Ministry has allocated Rs 500 crore for the Namu Drone Didi scheme, aimed at providing drones to 15,000 women self-help groups (SHGs) from 2023-24 to 2025-2026. This initiative trains women to become drone pilots, helping farmers with tasks such as fertilizer spraying, seed sowing, and crop monitoring. The program seeks to modernize agriculture and boost productivity by subsidizing up to 80% of drone costs, up to Rs 8 lakh per SHG.**

22. 'Operation Prahar' was launched by which state against the threats posed by the Naxalites?

- A. Bihar
B. Chhattisgarh
C. Jharkhand
D. Odisha



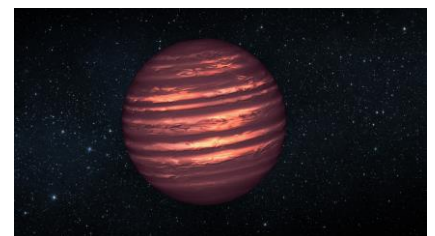
- ✓ Since Chhattisgarh's first tribal Chief Minister took office, Naxalite-related incidents have surged fivefold, including killings, arrests, and surrenders. This increase coincides with "Operation Prahar," a counter-insurgency effort targeting Maoist leaders. While aimed at neutralizing insurgents and disrupting recruitment, the operation has faced allegations of excessive state power and staged encounters, raising concerns about its impact on local Adivasi communities not involved with Maoist activities.
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23. What is the purpose of developing a 'climate finance taxonomy' as announced in the Union Budget for 2024-25?

- A. To create standards for classifying climate-related financial instruments like green bonds
B. To guide investors and banks in directing investments toward sustainable projects to address climate change
C. To manage risks associated with climate change
D. To benchmark countries' progress in climate finance
- ✓ The finance minister announced the development of a 'climate finance taxonomy' in the Union Budget 2024-25. This system classifies parts of the economy as sustainable investments, guiding investors and banks in directing funds to combat climate change. It sets standards for climate-related financial instruments like green bonds and aids in climate risk management and net-zero transition planning. Countries such as South Africa, South Korea, and the EU have already developed similar taxonomies.
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24. What are 'Brown Dwarfs'?

- A. Celestial bodies
B. Invasive plants
C. Species of fish
D. Drugs for TB



- ✓ Researchers using the James Webb Space Telescope have studied the atmospheric conditions of brown dwarfs. These objects, larger than planets but smaller than stars, are between giant planets and small stars in size. They accumulate material like stars and have hot silicate cloud formations. Unlike stars, brown dwarfs cannot sustain nuclear fusion, which is why they are called "failed stars." They retain H & He better than planets and have low metal content.
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