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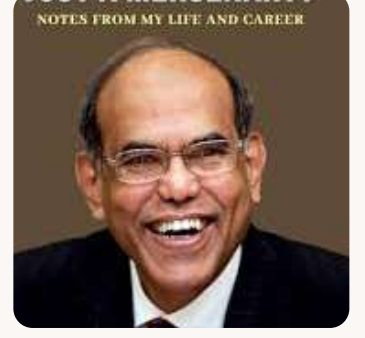
KAS/PSI/FDA/AAO/PDO

MONTHLY MAGAZINE

APRIL-2024

NEWS-INSHORTS ✨

- CoViNet, a global lab network,
- Gagan Shakti war exercise
- World's first conversational AI
- "Airawat Gagan Rakshaks
- 'Project Akashteer'
- CAR T-cell therapy
- Right to Walk
- Bhadla Solar Park (Rajasthan)
- "Lata Mangeshkar Puraskar
- world's first 'nears pace command',
- Mission Utkarsh



FOCUS

- MCQ- Practice Questions -APRIL 2024



KARNATAKA/INDIA/INTERNATIONAL-CURRENT AFFAIRS ✨

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- The WHO has launched CoViNet, a global lab network, to monitor and identify emerging coronaviruses
CoViNet has aimed for broader virus surveillance, including animal and environmental monitoring, especially in low- and middle-income nations.

- IAF's 10-day Gagan Shakti war exercise started

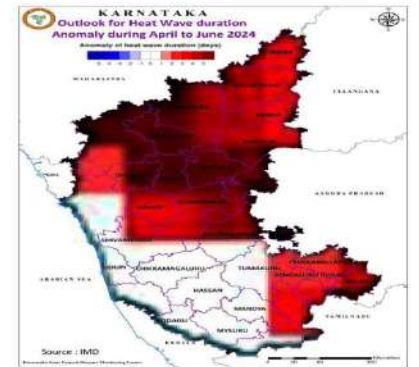
Indian Air Force (IAF) has begun its 10-day Gagan Shakti war drill to test its capabilities.

The Indian Army is providing logistics support for the mega exercise that is being held in different parts of the country.



- Gagan Shakti is the biggest IAF war exercise after Vayu Shakti

- Heat wave – IMD (Pune), Ministry of Earth sciences, Heatwave is considered if the maximum temperature of a station reaches at least 40°C or more for Plains and at least 30°C or more for Hilly regions.



- World's first conversational AI with Emotional Intelligence: EVI is the world's first emotionally intelligent voice AI developed by Hume.

- The Kodaikanal Solar Observatory was established on April 1, 1899, by the British, marking a significant milestone in solar astrophysics research with its long history of groundbreaking discoveries related to the Sun and a vast database of solar images. In 2024, the observatory celebrated its 125th anniversary, highlighting its enduring legacy in solar science.

- It is powered by Hume's proprietary empathic large language model (eLLM).

- Indian Army Tests New Integrated Anti-Aircraft Weapon System.

- The Indian Army conducted a comprehensive air-defense exercise testing new, integrated anti-aircraft weapon systems.

- The "Airawat Gagan Rakshaks" division demonstrated its prowess in detecting and neutralizing aerial threats, including drone swarms.

- In the context of GI given to many states consider this few relevant facts for the KPSC/KEA Exams



All about GI Tag :

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- The GI tag concept is borrowed from Section 22(1) of the TRIPS Agreement of the WTO.
- GI tags have been issued in India since 2003 under the Geographical Indications (Registration and Protection of Goods) Act-1999.
- The Department of industry promotion and internal trade under the Union Ministry of Commerce and Industry is the nodal agency for issuing GI tags in India.
- GI tag once issued is valid for 10 years and can be re-applied for any amount of time after expiry.
- GI tags are given only to goods of local importance, not to services.
- Germany has the highest number of GI tags in the world (around 15000+).
- Darjeeling tea was the first commodity to be GI tagged in India (2004).
- The first foreign product to receive GI tag in India is Peruvian Fisco (a wine).
- Uttar Pradesh state received highest GI tags in India
- recent GI tag Karnataka received is "Kagji Lemon" of Indi Taluk, Vijayapura district
- Uttarakhand becomes first state to get 18 Geographical Indication tags in a single day
- India aims to construct its first commercial crude oil strategic storage to bolster reserves as a precaution against potential supply interruptions. Indian Strategic Petroleum Reserves Limited (ISPRL) has invited bids for building 2.5 million tonnes of underground storage at Padur in Karnataka.

Space missions to detect gravitational waves (News)

ISRO	PRATUSH
ESA	ARGONAUT
CHINA	Queqiao-2
NASA	LuSEE Night

- 'Project Akashteer' is a cutting-edge initiative designed to automate air defense control and reporting processes by digitizing them.

- Indian Army gets portable Igla-S Air defence system from Russia. The Igla-S system is being acquired to enhance the Indian Army's Very Short Range Air Defence (VSHORAD) capabilities. The Igla-S is a hand-held defence system that can be operated by an individual.



- Zimbabwe has introduced a new gold-backed currency called ZiG - the name stands for "Zimbabwe Gold" it aims to replace the severely devalued Zimbabwean dollar
- President Droupadi Murmu launched India's first indigenously-developed CAR T-cell therapy for cancer treatment. The therapy, named NexCAR19, was developed by IIT Bombay and the Tata Memorial Centre

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- Advocate Sarah Sunny, India's first deaf lawyer, first appeared before supreme court now, and in High courts, Karnataka High Court Becomes First HC To Hear Arguments Of Speech & Hearing-Impaired Advocate Through Sign Language Interpreter
- Right Against climate change is a Fundamental Right - Article 21 and Article 14 by Supreme court
- The World Bank estimates India's GDP growth for FY24 at 7.5%, indicating a robust economic performance. This projection reflects optimism about India's economic activity and potential for growth in the coming fiscal year.
- Mirabai Chanu, known for her Tokyo Olympics silver medal, is the only Indian weightlifter to qualify for the Paris Olympics. She achieved this feat after finishing 11th overall in the IWF World Cup in Thailand, meeting the qualification criteria despite returning from a six-month injury.
- The Defence Research and Development Organisation (DRDO) is establishing a test centre for weapon systems in Junput village, West Bengal. This initiative aims to alleviate the testing workload at Odisha's Chandipur Integrated Test Range (ITR) and enhance operational capabilities.
- Bilquis Mir, a canoeist from Jammu and Kashmir, is poised to make history as the first Indian woman to serve as a jury member at the Paris Olympics. Her journey reflects her determination and passion for the sport, breaking barriers and contributing significantly to Indian sports.
- The Tri-Service conference 'Parivartan Chintan' will be held in New Delhi. This conference will be the first-ever gathering of heads of all tri-services institutions, chaired by Chief of Defence Staff (CDS), General Anil Chauhan
- Unemployment rates across Indian States in 2022-23
 - ✓ At almost 10%, Goa's unemployment rate —more than three times the national average (3.17%) — is the highest.
 - ✓ Interestingly, 4 of the top 5 States — Goa, Kerala, Haryana and Punjab — are comparatively richer states.
 - ✓ The rich States of western India — Maharashtra and Gujarat — experience unemployment rates far less than the national average.
 - ✓ All northern States — Jammu and Kashmir, Punjab, Haryana, Uttarakhand and Himachal Pradesh — have unemployment rates higher than the national average
 - ✓ all southern States have unemployment rates higher than the national average with the exception of Karnataka.



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- **Right to Walk** : Punjab has become the first state to implement the 'right to walk' Right to walk make it mandatory for all road-owning agencies, including the NHAI, to provide footpaths and cycle tracks on the road.

- **Paradip Port** has become the country's highest cargo-handling major port, surpassing Deendayal Port, Kandla, for the first time in 56 years during the financial year 2023-24.

About Paradip Port

Paradip Port is a natural, deep-water port.

It is located on the East coast of India in Jagatsinghpur district of Odisha.

It is located at the confluence of the Mahanadi river and the Bay of Bengal.

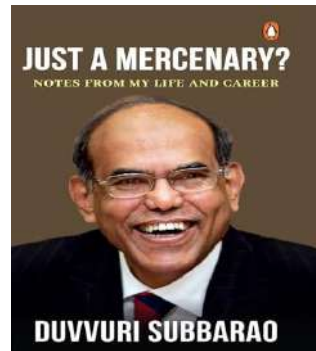
- Recently, the Karnataka government had conferred the Rajyotsava Award on him for his contributions in various fields. BENGALURU: Noted astrologer, Dr Surendra Kumar Jain, passed away on Friday evening due to pulmonary complications



- **Bhadla Solar Park** (Rajasthan) in India holds the title of the world's largest solar power plant at a single location.
- **World's first Beauty Pageant for AI Women is announced**: The 1st "Miss AI" contest features AI-generated models competing for a \$20,000 prize pool, judged on beauty, social media, and technical creation skills
- ISRO is set to launch ESA's Solar Study Mission Proba-3 : The Indian Space Research Organisation will be launching the European Space Agency's new mission, designated as **Proba-3 (Project for On-Board Autonomy)** to study the Sun later this year, using ISRO's PSLV-XL rocket.
- **Amitabh Bachchan** awarded "Lata Mangeshkar Puraskar". PM Modi was its 1st recipient, followed by Asha Bhosle in 2023.
- **Nigeria** launched World's First Universal Meningitis Vaccine: Nigeria introduced "**MenFive**" vaccine, combating all meningitis strains in under-5s, aiming to reduce disease impact in Africa's meningitis belt.
- The World Future Energy Summit 2024 organised in Abu Dhabi. The 16th World Future Energy Summit commenced in Abu Dhabi.
- **Project Akashteer** is an initiative developed by Bharat Electronics Limited under the 'Atmanirbhar Bharat' scheme.
- China has established the **world's first 'nears pace command'**, equipped with powerful hypersonic weapons, as its 5th force.

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- **Alliance for Global Good – Gender Equity and Equality:** It was launched at WEF Davos 2024, It is a collective of Governments, Industry and Development organisations.
- **Mission Utkarsh** - Initiative for Anaemia Control among adolescent girls using Ayurveda interventions. The Centre launched an initiative to improve nutrition in adolescent girls (14-18 years) using Ayurveda.
- India ranked third globally in unicorn creation with 67 unicorns, trailing behind the United States with 703 unicorns and China with 340, as per the Hurun Global Unicorn Index. This position reflects India's status in the global startup ecosystem, despite a decline in unicorn creation for the first time since 2017.
- Israel deployed its C-Dome defence system, a naval adaptation of the Iron Dome, for the first time against an aerial threat near Eilat. This incident underscores Israel's proactive stance in utilizing advanced military technologies like the C-Dome to counter potential threats, demonstrating its commitment to enhancing national security measures.
- The Asian Wrestling Championships 2024 were hosted in Bishkek, Kyrgyzstan, where Indian wrestler Udit won the silver medal in the men's 57kg category. Additionally, Abhimanyu and Vicky claimed bronze medals in their respective weight divisions, further showcasing India's success in the tournament held in Kyrgyzstan.
- ISRO achieved the 'zero orbital debris' milestone with its PSLV-C58/XPoSat mission by transforming the last stage into POEM-3 and de-orbiting it to ensure no debris remained in orbit.
- Adani Green Energy is constructing the world's largest renewable energy park in Khavda, Kutch district of Gujarat. Spread over 538 square kilometres, it will have a total capacity of 30 GW, making it a significant renewable energy initiative in India.
- India's second artificial reef installation is near Worli Koliwada, Mumbai. The project involves deploying 210 reef units made from recycled concrete and steel, aiming to boost marine life and create habitats for various marine organisms. The use of Bio-rock technology in this installation is a significant step toward enhancing marine ecosystems and supporting local fishing communities.
- The **CDP-SURAKSHA** initiative by the Indian government is aimed at revolutionizing horticulture subsidies, and streamlining their distribution through digital integration and secure payment mechanisms. This initiative is a significant step towards supporting horticulture farmers and promoting growth in the horticulture sector.
- The author of the memoir "**Just a Mercenary** : Notes from My Life and Career" is Duvvuri Subbarao, the former Governor of the Reserve Bank of India (RBI). In this memoir, Subbarao shares insights into his career and the challenges faced, particularly highlighting the tensions between the RBI and the government during his tenure



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- Madhya Pradesh excels in implementing the Green Credit Programme (GCP) initiated by the central government, facilitating tree plantation initiatives across 10 states. This initiative highlights the state's commitment to environmental conservation and sustainable practices.
- Bhutan is leading the Sustainable Finance for Tiger Landscapes Conference on Earth Day 2024, aiming to raise \$1 billion for tiger conservation efforts over a decade.
- IFFCO, the Indian Farmers Fertiliser Cooperative Limited, is preparing to commence production of Nano Urea Plus, a new version of nano urea designed to meet crop nitrogen requirements during critical growth phases
- India's largest Climate Clock was unveiled at the Council of Scientific & Industrial Research (CSIR) headquarters in New Delhi for the Earth Day celebration.
- Mount Erebus, an active volcano in Antarctica, is known for releasing gold dust worth \$6,000 daily into the atmosphere. This unique phenomenon has attracted scientific interest, as gold flecks from Mount Erebus have been traced up to 600 miles away, showcasing the volcano's impact on natural gold dispersion and geological studies in the region.
- Pragya Misra was appointed as OpenAI's first employee in India, taking on the role of head of government relations. She previously held the position of Director of Public Affairs at Truecaller and assumed her new role during the ongoing 2024 Lok Sabha Elections in India, marking a significant development in OpenAI's presence and operations in the country.
- The Shompen Tribes from Great Nicobar Island participated in voting for the first time. As a Particularly Vulnerable Tribal Group (PVTG), they reside in dense tropical rainforests and belong to the Mongoloid group.
- The Embassy of Israel in India collaborated with a non-profit entity to join the 'Million Miyawaki' project, aimed at planting a million trees in Delhi-NCR as part of Earth Day celebrations.
- India is expanding cooperation on high technologies, including 6G, with the European Union under the EU-India Trade and Technology Council. The Bharat 6G Alliance, initiated by the Department of Telecommunications, signifies India's commitment to advancing 6G technology through collaboration with industry, academia, and research institutions.

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Multiple choice Questions (April -2024) – Expected Questions

1. Which organization launched CoViNet, a global lab network to monitor emerging coronaviruses?
A) WHO
B) UN
C) UNICEF
D) UNESCO
2. What is the name of the 10-day war exercise conducted by the Indian Air Force?
A) Vayu Shakti
B) Gagan Shakti
C) Akashteer
D) Airawat Gagan Rakshaks
3. What is the name of the world's first emotionally intelligent voice AI developed by Hume?
A) NexCAR19
B) EVI
C) ZiG
D) Iglá-S
4. Which Indian state received the highest number of GI tags?
A) Karnataka
B) Uttarakhand
C) Uttar Pradesh
D) Darjeeling
5. What is the name of the new gold-backed currency introduced by Zimbabwe?
A) Zimbabwean Dollar
B) ZiG
C) NexCAR19
D) Iglá-S
6. What is the name of the first indigenously developed CAR T-cell therapy for cancer treatment launched in India?
A) EVI
B) NexCAR19
C) Iglá-S
D) Airawat Gagan Rakshaks
7. Which country has the highest number of GI tags in the world?
A) India
B) Peru
C) Germany
D) Zimbabwe

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8. What is the name of the cutting-edge initiative designed to automate air defense control and reporting processes?

- A) Project Akashteer
- B) CoViNet
- C) Gagan Shakti
- D) Airawat Gagan Rakshaks

9. What is the name of the portable air defense system acquired by the Indian Army from Russia?

- A) Igla-S
- B) ZiG
- C) NexCAR19
- D) EVI

10. Which commodity was the first to be given a GI tag in India?

- A) Kagji Lemon
- B) Peruvian Fisco
- C) Darjeeling Tea
- D) Uttarakhand's GI tagged products

11. Who is the first deaf lawyer in India to appear before the Supreme Court?

- A) Bilquis Mir
- B) Sarah Sunny
- C) Pragya Misra
- D) Udit

12. Which state in India has become the first to implement the 'right to walk'?

- A) Goa
- B) Punjab
- C) Karnataka
- D) Madhya Pradesh

13. Which Indian weightlifter has qualified for the Paris Olympics?

- A) Bilquis Mir
- B) Mirabai Chanu
- C) Abhimanyu
- D) Vicky

14. Which organization is launching ESA's Solar Study Mission Proba-3?

- A) DRDO
- B) IFFCO
- C) ISRO
- D) Bharat Electronics Limited

15. Which state in India has the highest unemployment rate?

- A) Punjab
- B) Goa
- C) Kerala

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D) Haryana

16. What is the name of the initiative launched by the Centre to improve nutrition in adolescent girls using Ayurveda?

- A) Project Akashteer
- B) Mission Utkarsh
- C) CDP-SURAKSHA
- D) Alliance for Global Good

17. Where is the world's largest solar power plant at a single location located?

- A) Khavda, Gujarat
- B) Bhadla, Rajasthan
- C) Junput, West Bengal
- D) Worli Koliwada, Mumbai

18. What is the name of the initiative aimed at revolutionizing horticulture subsidies in India?

- A) Mission Utkarsh
- B) Project Akashteer
- C) CDP-SURAKSHA
- D) Alliance for Global Good

19. Which country has established the world's first 'near space command'?

- A) India
- B) China
- C) Israel
- D) Nigeria

20. What is the name of the new version of nano urea being produced by IFFCO?

- A) Nano Urea Plus
- B) MenFive
- C) POEM-3
- D) C-Dome

21. Which Indian wrestler won the silver medal at the Asian Wrestling Championships 2024?

- A) Abhimanyu
- B) Vicky
- C) Udit
- D) Bilquis Mir

22. What is the name of the collective of Governments, Industry and Development organisations launched at WEF Davos 2024?

- A) Alliance for Global Good
- B) Bharat 6G Alliance
- C) Million Miyawaki
- D) CDP-SURAKSHA

23. Which country is leading the Sustainable Finance for Tiger Landscapes Conference on Earth Day 2024?

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- A) India
- B) China
- C) Bhutan
- D) Nigeria

24. What is the name of the naval adaptation of the Iron Dome deployed by Israel?

- A) POEM-3
- B) C-Dome
- C) MenFive
- D) Nano Urea Plus

25. Which tribe from Great Nicobar Island participated in voting for the first time?

- A) Shompen Tribes
- B) Koliwada
- C) Junput
- D) Bhadla

Solution:

1. **Answer: A**

Explanation: The World Health Organization (WHO) launched CoViNet to monitor and identify emerging coronaviruses.



2. **Answer: B**

Explanation: The Indian Air Force's 10-day war exercise is called Gagan Shakti.

3. **Answer: B**

Explanation: EVI is the world's first emotionally intelligent voice AI developed by Hume.

4. **Answer: C**

Explanation: Uttar Pradesh has received the highest number of GI tags in India.

5. **Answer: B**

Explanation: Zimbabwe has introduced a new gold-backed currency called ZiG, which stands for "Zimbabwe Gold".

6. **Answer: B**

Explanation: NexCAR19 is the name of the first indigenously developed CAR T-cell therapy for cancer treatment launched in India.

7. **Answer: C**

Explanation: Germany has the highest number of GI tags in the world, with over 15,000.

8. **Answer: A**

Explanation: 'Project Akashteer' is a cutting-edge initiative designed to automate air defense control and reporting processes.

9. **Answer: A**

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Explanation: The Indian Army acquired the portable Igla-S air defense system from Russia to enhance its Very Short Range Air Defence (VSHORAD) capabilities.

10. Answer: C

Explanation: Darjeeling tea was the first commodity to be given a GI tag in India in 2004.

11. Answer: B

Explanation: Sarah Sunny is India's first deaf lawyer and has made history by appearing before the Supreme Court.

12. Answer: B

Explanation: Punjab has taken the lead in implementing the 'right to walk', making it mandatory for road-owning agencies to provide footpaths and cycle tracks.

13. Answer: B

Explanation: Mirabai Chanu, a silver medalist at the Tokyo Olympics, is the only Indian weightlifter to qualify for the Paris Olympics.

14. Answer: C

Explanation: ISRO, the Indian Space Research Organisation, will be launching the European Space Agency's Proba-3 mission to study the Sun.

15. Answer: B

Explanation: Goa has the highest unemployment rate in India, at almost 10%, which is more than three times the national average.

16. Answer: B

Explanation: China has established the world's first 'near space command', equipped with powerful hypersonic weapons.

17. Answer: B

Explanation: The Bhadla Solar Park in Rajasthan holds the title of the world's largest solar power plant at a single location.

18. Answer: C

Explanation: The CDP-SURAKSHA initiative aims to streamline horticulture subsidies through digital integration and secure payment mechanisms.

19. Answer: B

Explanation: Mission Utkarsh is an initiative aimed at controlling anemia among adolescent girls using Ayurveda interventions.

20. Answer: A

Explanation: IFFCO is preparing to commence production of Nano Urea Plus, a new version of nano urea designed to meet crop nitrogen requirements.

21. Answer: C

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Explanation: Udit won the silver medal in the men's 57kg category at the Asian Wrestling Championships 2024 held in Bishkek, Kyrgyzstan.

22. Answer: A

Explanation: The Alliance for Global Good was launched at WEF Davos 2024, focusing on gender equity and equality.

23. Answer: C

Explanation: Bhutan is leading the Sustainable Finance for Tiger Landscapes Conference on Earth Day 2024, aiming to raise \$1 billion for tiger conservation.

24. Answer: B

Explanation: Israel deployed its C-Dome defence system, a naval adaptation of the Iron Dome, for the first time against an aerial threat.

25. Answer: A

Explanation: The Shompen Tribes from Great Nicobar Island, a Particularly Vulnerable Tribal Group (PVTG), participated in voting for the first time.

Unsung Heroes of Freedom Struggle



Mundargi Bhima Rao was a hero of the 1858 uprisings in the Dharwad district of Karnataka.

Rao, a commoner, fought side by side with the landlords and shook the British army to its very core.

Rao served the British at Mundargi as a land revenue officer.

In 1854, he was finally dismissed from his position as a result of his protests against the British exploitation of the peasantry. He led the anti-tax propaganda in Dharwad and urged people to join the anti-British movement. In 1857 itself, he gathered 300-400 people and planned a revolt at Hammigi. However, he had to hold the plan as the information leaked and the District Collector got to know about their plan. He was a friend of Nana Saheb and the latter urged him to revolt in his letters.



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