

Daily Defence Current Affairs

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Sudarshan Chakra Air Defence System Completes Successful Maiden Test

- India has carried out the first firing tests of a new Integrated Air Defence Weapon System (IADWS) that consists of missiles and high-powered lasers to take down enemy air threats.
- The multi-layered system is designed to defeat threats ranging from incoming aircraft and missiles to drones using different weapons that can be engaged simultaneously.
- The new system will be part of the Sudarshan Chakra project announced by PM Narendra Modi earlier this month from the Red Fort and will in the future integrate long-range interceptors capable of taking down ballistic missiles as well.



Anish Dayal Singh, PM Modi's New Deputy NSA

- The central government has appointed Anish Dayal Singh, a retired IPS officer and former Director General of the CRPF, as Deputy National Security Advisor (NSA) to Prime Minister Narendra Modi. In his new role, 60-year-old Singh will report directly to NSA Ajit Doval.
- Anish Dayal Singh is a 1988-batch Indian Police Service (IPS) officer from the Manipur cadre. He was serving as the Director General of the CRPF since January 1, 2024.
- Singh was born in 1964 in Uttar Pradesh's Prayagraj. After being selected for the Indian Police Service in 1988, he completed training as a police officer at the Sardar Vallabhbhai Patel National Police Academy located in Hyderabad.



India To Make Advanced Jet Engines With France

- India is now finally getting set to kick off the collaboration with **France to co-develop** a new powerful jet engine for its indigenous **5-gen stealth fighter** and other futuristic platforms, which will further bolster the already expansive strategic partnership between the two countries.
- DRDO will soon move the cabinet committee on security for the approval of the ambitious project with **French major Safran**, with 100% transfer of technology, to jointly design, develop, test, qualify, certify and produce the **new 120 kilonewton engines in India**.
- Defence minister Rajnath Singh, "We have taken steps forward to build our fifth-generation fighter aircraft. We have also moved towards manufacturing the

aircraft's engine in India itself. We are about to start engine manufacturing work in India with the French company Safran," Singh said.

- India's inability to manufacture an aero-engine, with the requisite thrust-to-weight ratio, has for long been a major hurdle for indigenous fighter jet programmes.
- The almost two-year delay in delivery of **99 GE-F404 turbofan engines** by US firm General Electric, which HAL contracted for Rs 5,375 crore in Aug 2021, as well as weapons and radar integration issues, for instance, are the main reasons for the major slowdown in production of **Tejas Mark-1A fighters**.
- Hindustan Aeronautics and GE are also yet to seal the final deal for the co-production of the **GE-F414 engines** in the **98 kilonewton thrust class** in India, with 80% of transfer of technology for around \$1.5 billion, to power the planned **Tejas Mark-2 variant**.
- "The project for jet engine with Safran will have full IP (intellectual property) ownership & licencing control by India. It will create an entire ecosystem for the manufacture of aero-engines in India, with complete supply chain development," an official said.
- This comes after the defence ministry in May finally approved a new "programme execution model" for prototype development of the 25-tonne AMCA, with greater private sector participation.
- As per existing timelines, the **AMCA** with the requisite thrust-to-weight ratio, advanced sensor fusion and stealth features like an internal weapons bay and "serpentine air-intake" will be ready for production only by **2035**.
- IAF plans to induct **seven squadrons (126 jets)** of the expensive AMCA, with the first two squadrons powered by the **American GE-F414 engines** and the next five with **120 kilonewton engines**.



Exercise Maitree 2025

- The 14th edition of a joint exercise between the militaries of India and Thailand is set to take place in Meghalaya's Umroi from September 1 to 14, the Indian Army said on Saturday.
- Exercise Maitree is designed to further sharpen the operational capabilities of both the armies in undertaking joint company-level counter-terrorism operations in semi-urban terrain, it said.
- The exercise is designed to further sharpen the operational capabilities of both armies in undertaking joint company-level counter-terrorism operations in semi-urban terrain under the United Nations' mandate -- reflecting the shared commitment towards global peace and security.



Centre Gives Clearance to MoD For Submarine Deal

- After being stuck for over six months, the Centre has given clearance to the Defence Ministry and Mazagaon Dockyards Limited to begin negotiations for the deal to buy six submarines to be built in India with German support under 'Project 75 India'.
- The Defence Ministry had selected state-owned MDL for building six submarines with Air Independent Propulsion systems with German **ThyssenKrupp Marine Systems** as its partner in January.
- The Indian industry is also working on building two nuclear attack submarines, where private sector giant Larsen and Toubro would play a big role, along with the Submarine Building Centre.



REVIEW QUESTIONS

1. **The Sudarshan Chakra Air Defence System, is designed to counter which of the following threats?**
 - A. Only ballistic missiles
 - B. Aircraft, missiles, and drones
 - C. Naval ships and submarines
 - D. Cyber and space threats

ANSWER: B

2. Who has been appointed as the new Deputy NSA to Prime Minister Narendra Modi?

- A. Ajit Doval
- B. Rajiv Jain
- C. Anish Dayal Singh
- D. Rakesh Asthana

ANSWER: C

3. India's upcoming joint project with France to manufacture powerful jet engines involves which French company?

- A. Airbus
- B. Dassault Aviation
- C. Safran
- D. Thales

ANSWER: C

4. Exercise Maitree 2025, drill between India and Thailand, will be held in which Indian location?

- A. Jaisalmer, Rajasthan
- B. Umroi, Meghalaya
- C. Pune, Maharashtra
- D. Wellington, Tamil Nadu

ANSWER: B

5. Under 'Project 75 India,' six submarines will be built in India with the support of which country?

- A. Russia
- B. France
- C. United States
- D. Germany

ANSWER: D

6. What is the headquarters of Allied Command Operations for NATO?

- A. Berlin, Germany
- B. Warsaw, Poland
- C. London, UK
- D. Mons, Belgium

ANSWER: D

7. India's Buys P8I Aircraft From

- A. Iran
- B. USA
- C. UK
- D. Uganda

ANSWER: B

8. JCPOA Stands For

- A. Joint Comprehensive Plan of Action
- B. Joint Comprehensive Plan of Act
- C. Joint Comprehensive Plane of Action
- D. None

ANSWER: A

9. 15th President of India Is/Was

- A. Shrimati Draupadi Murmu
- B. Shri Pratibha Singh Patil
- C. Shri Dr. APJ Abdul Kalam
- D. Shri Pranab Mukherjee

ANSWER: A

10. __Of The Constitution Read With The Presidential and Vice-Presidential Elections.

- A. Article 324
- B. Article 352
- C. Article 356
- D. Article 360

ANSWER: A

11. Make in India Was Launched In

- A. 2010
- B. 2014
- C. 2019
- D. None of the above

ANSWER: B

12. __ holds the rank of Supreme Commander of the IAF.

- A. President of India
- B. PM
- C. NSA
- D. Chief of the Air Staff (CAS)

ANSWER: A

13. Which Is The Type Of A LUH?

- A. Chetak
- B. Apache
- C. Chinook
- D. Rafale

ANSWER: A

14. Hq of Hindustan Aeronautics Limited Is In

- A. Bangalore
- B. New Delhi
- C. Chennai
- D. Karachi

ANSWER: A

15. Iran Boundary Doesn't Touch With

- A. Iraq
- B. India
- C. Pakistan
- D. Russia

ANSWER: D

16. Wing Commander Rank of IAF Is Equivalent To Which Rank Of Indian Army?

- A. Lieutenant
- B. Captain
- C. Lieutenant Colonel
- D. Colonel

ANSWER: C

17. Luanda Is The Capital Of

- A. Azerbaijan
- B. Qatar
- C. Angola

D. Maldives

ANSWER: C

18. "A Place Called Home" Book Is Written By

A. Rizwan Khan

B. Priya Sharma

C. Hew Strachan

D. Preeti Shenoy

ANSWER: D

19. The G20 was founded in

A. 1999

B. 2000

C. 2004

D. 2005

ANSWER: A

20. Exercises B/w The India And Vietnam Is Called:

A. VINBAX

B. SLINEX

C. Indra

D. Vajra Prahar

ANSWER: A