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Defence Current Affairs

11 October 2022

Successful TRAINING LAUNCH OF SRBM, Prithvi-II

- A successful training launch of a Short-Range Ballistic Missile, Prithvi-II was carried out on January 10, 2023, from the Integrated Test Range, Chandipur off the coast of Odisha. A well-established system, Prithvi-II missile, has been an integral part of India's nuclear deterrence.
- The missile struck its target with high accuracy. The user training launch successfully validated all operational and technical parameters of the missile.
- Prithvi is a tactical surface-to-surface short-range ballistic missile developed by Defence Research and Development Organisation of India under the Integrated Guided Missile Development Program. It is deployed by India's Strategic Forces Command.
- **Accuracy:** 50 m CEP (Prithvi I, Prithvi II); <10 m CEP (Prithvi II upgrade); 25 m CEP (Prithvi III)
- **Engine:** Single-stage liquid rocket (Prithvi I, Prithvi II), Two-stage solid rocket (Prithvi III)
- **Guidance system:** Strap-down inertial navigation system
- **In service:** 1994 (Prithvi I)
- **Launch platform:** 8 x 8 Tata transporter erector launcher



CRPF To Give Arms Training To VDC Members

- Following the twin terror attacks in Rajouri's Dangri area on January 1 and 2, the VDCs are making a comeback after nearly three decades. A targeted terror attack killed seven civilians, including two children.
- The CRPF will be in charge of providing training as well as weapons to some VDC members .303 rifles, as well as improved versions such as Self Loading Rifles (SLRs). With these weapons, villagers cannot be trained to the same level as well-trained foreign terrorists, but they can serve as a deterrent.
- The VDCs were first formed in the erstwhile Doda district (now Kishtwar, Doda and Ramban districts) in mid 1990s as a force multiplier against militant attacks. The then Jammu and Kashmir administration decided to provide residents of remote hilly villages with weapons and give them arms training to defend themselves.
- A minimum of 10-15 ex-servicemen, ex-policemen, and able-bodied local youth were enrolled in each VDC on a voluntary basis. On average, at least five of them were provided .



DAC Approves AON For Three Capital Acquisition Proposals

- A meeting of Defence Acquisition Council (DAC), held on January 10, 2023 under the chairmanship of Raksha Mantri Shri Rajnath Singh, accorded Acceptance of Necessity (AoN) for three capital acquisition proposals, amounting to Rs 4,276 crore. All the three proposals - two of the Indian Army and one of the Indian Navy - are under the Buy (Indian-IDDm) category.
- The DAC accorded AoN for procurement of HELINA Anti-Tank Guided Missiles, launchers and associated support equipment which will be integrated to the Advanced Light Helicopter (ALH). This missile is an essential part of the weaponisation of ALH for countering enemy threat. Its induction will strengthen the offensive capability of the Indian Army.
- The DAC also accorded AoN for procurement of VSHORAD (IR Homing) missile system under design and development by DRDO. In view of the recent developments along the Northern borders there is a need to focus on effective Air Defence (AD) weapon systems which are man portable and can be deployed quickly in rugged terrain and maritime domain. Procurement of VSHORAD, as a robust and quickly deployable system, will strengthen the Air Defence capabilities.
- Further, the DAC granted approval for procurement of Brahmos Launcher and Fire Control System (FCS) for the Shivalik class of ships & Next Generation Missile Vessels (NGMVs) for Indian Navy. With their induction, these ships would have enhanced capability of carrying out maritime strike operations, interdicting and destroying enemy's warships and merchant vessels.



Midhani Will Armour Mi-17 Helicopters Used In Anti-Naxal Operations

- Mishra Dhatu Nigam (MIDHANI) is carrying out bullet proof armouring of Indian Air Force Mi-17 helicopters used by security forces in border and Naxalite-affected areas.
- Mi-17 helicopters are commonly used for Air Force, Army, and VIP transport. MIDHANI has prioritised the work of bullet proof armouring MI-17 helicopters. MIDHANI has armoured these helicopters to protect them from any firing from below, whether in a Naxal or border area.
- MIDHANI has also supplied bulletproof jackets and headgear to paramilitary forces and some state police forces such as Telangana Police, Arunachal Pradesh Police, and ITBP, and is currently working on armouring a CRPF bus that is operating in Jammu and Kashmir.
- India Will Be Free From Maoist Menace By 2024: Amit Shah “We are now on the verge of making Naxal-affected areas free from the menace,” Shah said.
- Strengthening its capability for anti-Naxal operations, IAF will deploy a squadron of its latest Mi-17 V-5 helicopters in Nagpur to cater to the needs of extremism-hit states of Chhattisgarh and Madhya Pradesh.
- These helicopters are advanced versions of the existing fleet of Mi-17s in the IAF and are equipped with sophisticated avionics and on-board navigation systems making them more suitable for both day and night operations in Naxal-affected areas.
- The helicopters will be deployed in Nagpur to cater to the needs of Chhattisgarh and Madhya Pradesh in anti-Naxal operations, Indian Air Force sources said.
- So far, IAF has deployed its choppers in Gorakhpur in Uttar Pradesh and Jagdalpur in Chhattisgarh for supporting anti-Naxal operations.

- IAF has been providing aerial support to troops from CRPF deployed in Left Wing Extremism (LWE) affected states since 2009.
- The choppers are used to insert and evacuate troops during Naxal-operations and have been suitably equipped to operate in dense forests and can operate from temporary helipads there.
- The Mi-17 V-5 helicopters have on-board weather radar along with the state-of-the-art autopilot and latest night vision devices.



SSB Crack
EXAMS

MIDHANI Created Core Parts That Work Perfectly For The Adour Mk.102 Engines Used In The Jaguar Fleet

- Mishra Dhatu Nigam, a state-owned company that specializes in metallurgy, claimed that many Adour Mk.102 engine parts that powers the Jaguar fighter bomber have been replaced with its own indigenous spares, and that the engine parts developed by MIDHANI were found to be superior to the original Jaguar engine in the technical tests.
- The IAF is the sole operator of the Jaguar type and will continue to operate DARIN-III upgraded Jaguar fighter bombers until 2034. The IAF intends to begin retiring its older DARIN-I and II Jaguar fighter bomber fleet in 2024.
- Tejas Mk2 fighter jets will be delivered to current Jaguar squadrons beginning in 2032, as the Mk2 programme enters production in 2029-30. The Indian Air Force has decided to replace the Jaguar fleet, the Mig-20UPg fleet, and the Mirage-2000 fleet with a single Tejas Mk2 type.



Review Questions

1. Village Defence Committees Belong To

- A. Delhi
- B. J&K
- C. Chandigarh
- D. Puducherry

ANSWER: B

2. Successful Training Launch Of SRBM Prithvi-II Was Carried Out From The

- A. Integrated Test Range, Chandipur
- B. Marina Beach, Chennai
- C. Jihu Beach, Mumbai
- D. Kutchh, Gujrat

ANSWER: A

3. ___ Has Developed A UAV To Carry Out Logistic Operations In The Himalayan Frontier.

- A. ISRO

- B. TATA
- C. DRDO
- D. Cosmos PVT LTD

ANSWER: C

4. India's First-ever Coal Gasification-based Talcher Fertilizer Plant In __ Will Be Dedicated To The Nation By October 2024.

- A. Odisha
- B. M.H.
- C. Goa
- D. Andhra Pradesh

ANSWER: A

5. __ To Host 'The Voice of Global South' Summit On Jan 2023.

- A. Japan
- B. Bharat
- C. China
- D. Maldives

ANSWER: B

6. INS Karmuk Is A

- A. Destroyer
- B. Missile Corvette
- C. Submarine
- D. Tank

ANSWER: B

7. The Lahore Declaration Was A Bilateral Agreement And Governance Treaty Between

- A. Pakistan & Nepal
- B. Pakistan & Bharat
- C. Pakistan & Sri Lanka
- D. None

ANSWER: B

8. Combat Air Teaming System (CATS) Is An Indian Unmanned & Manned Combat Aircraft Air Teaming System Developed By

- A. HAL**
- B. DRDO**

- C. JAXA
 - D. Boeing
- ANSWER: A**

9. ___ Designed And Created Isro's Most Recent Inflatable Aerodynamic Decelerator (IAD)

- A. BHEL
- B. BEL
- C. Satish Dhawan Space Center
- D. Vikram Sarabhai Space Center

ANSWER: D

10. Ex 'Ekuverin' Conducted B/W India &

- A. Qatar
- B. Oman
- C. UAE
- D. Maldives

ANSWER: D

11. What Is The Name Given To India's First-ever Satellite And Nuclear-missile Tracking Ship?

- A. INS Tez
- B. INS Parvat
- C. INS Eklavya
- D. INS Dhruv

ANSWER: D

12. The Salalah Is In

- A. Yemen
- B. Iran
- C. Iraq
- D. Oman

ANSWER: D

13. Safran Manufactures Aircraft Engines, Rocket Engines MNC Comes From

- A. Germany
- B. France
- C. Nepal
- D. UK

ANSWER: B

14. 'Praia' Is The Capital Of

- A. Costa Rica
- B. Comoros
- C. Cameroon
- D. Cape Verde

ANSWER: D

15. "Roller Coaster: An Affair with Banking" Book Is Written By

- A. Tamal Bandyopadhyay
- B. Ranjan Gogoi
- C. Manish Tiwari
- D. Neha Sharma

ANSWER: A

16. UNDP Was Established In

- A. 1965
- B. 1975
- C. 1985
- D. 1995

ANSWER: A

17. Lamitye Exercise Held B/W India And___?

- A. Thailand
- B. USA
- C. Qatar
- D. Seychelles

ANSWER: D

18. War Cry of THE MAHAR REGIMENT

- A. Bharat Mata ki Jai
- B. Bolo Hindustan Ki Jay
- C. Jai Hind
- D. Durga Mata Ki Jai

ANSWER: B

19. Strategic Planning Group (SPG) Is Headed By

- A. PM

- B. NSA
- C. CDS
- D. COAS

ANSWER: B

**20. Akash Is A Medium-range Mobile Surface-to-air Missile System Developed By
The___**

- A. HAL
- B. TATA
- C. Mahindra
- D. DRDO

ANSWER: D



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