

## Courses

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# Defence Current Affairs

## 15 October 2022

### INS Arihant Carries Out Successful Launch Of Submarine Launched Ballistic Missile

- INS Arihant carried out a successful launch of a SLBM on October 14, 2022. The missile was tested to a predetermined range and impacted the target area in the Bay of Bengal with very high accuracy. All operational and technological parameters of the weapon system have been validated.
- The successful user training launch of the SLBM by INS Arihant is significant to prove crew competency and validating the SSBN programme, a key element of India's nuclear deterrence capability. A robust, survivable and assured retaliatory capability is in keeping with India's policy to have 'Credible Minimum Deterrence' that underpins its 'No First Use' commitment.
- In November 2019, India formally declared its nuclear triad, stated in its nuclear doctrine, operational after INS Arihant completed its first deterrence patrol which means Arihant has begun prowling the deep seas carrying ballistic missiles equipped with nuclear warheads.
- Without confirming the particular missile, a defence source said it was not the longer K-4 SLBM but the older SLBM in use. INS Arihant is presently armed with K-15 SLBM with a range of 750 km.



## DefExpo 2022 - HAL To Showcase Indigenous Products

- HAL said on Friday it is geared up to display its indigenous products at the 12th edition of DefExpo to be held at Gandhinagar from October 18 to 22.
- "HAL's participation will focus on technological excellence and indigenisation initiatives, under its business verticals such as fighters, trainers, transport aircraft, helicopters, engines, systems and avionics besides projecting the company's futuristic programs".
- More than 200 imported items planned to be indigenised with private industries will be displayed in this stall to attract Indian industry. As many as 26 already indigenised items will be displayed.
- HAL's Light Combat Helicopter 'Prachand' is planned to be showcased in the Outdoor Display area during the show.
- HAL will also exhibit the scaled models of LCA, LCH, LUH, ALH, Do-228 and HTT-40 during the show.



## **DRDO To Display 430 Strategic & Tactical Weapon Systems In DefExpo2022**

- DRDO will display a wide range of 430 products encompassing the strategic and tactical weapon systems, defence equipment and technologies developed in DefExpo 2022 being held in Gandhinagar, Gujarat from October 18 – 22, 2022.
- The major theme for this year's DRDO participation is based on 3D ecosphere which will highlight its strong linkages with both Industry as well as Academia.
- The 12th edition of Asia's largest defence event will be highlighting the theme '**Path to Pride**' aligned with 'India at 75' and 'Aatmanirbhar Bharat', encouraging the industry as well as the citizens to join in and contribute towards nation building. It aims to further the narrative of '**Make in India, Make for the World**'.
- In addition, DRDO will showcase several initiatives to deepen its strategic partnerships with Industry, and Academia. These will include initiatives such as Technology Development Fund, Dare to Dream, DIA- Centres of Excellence and other similar schemes to support academia, startups, MSMEs and large industries to continuously upgrade technology readiness levels of present and futuristic technologies in the country. All these DRDO-led initiatives have led to the operational readiness of many Indian industries, especially in the areas of systems, radars, sonars, missiles, aircraft, etc. some of which will be displayed at the DRDO Pavilion, DefExpo22.
- At DefExp2022, DRDO will provide numerous static displays, live demonstrations, seminars as well as immersive experience zones spread across three locations including the Mahatma Mandir Convention & Exhibition Centre, Helipad Exhibition Centre, and Sabarmati River Front.

- The venue for DRDO Pavilion is Hall no. 10 of Helipad Exhibition Centre. It will be segmented in 17 display zones of various classes including Immersive Zones and Experience Zones to showcase 376 products. These 17 zones are namely Engines & Propulsion, Aerospace & Aeronautics (UAVs, fighter aircrafts, aircraft for surveillance etc.), Sensors, Devices & Advanced Electronics, Naval Weapons & Systems (EW systems and Sensors), Armoured Vehicles & Land Systems, Armament, Guns & Ammunition, Materials, Missiles (Cruise, MBRLs, AAM, ATGM & MRSAM), BrahMos, Industry Partners in R&D (17 Partners-3 Start-ups & 14 MSMEs), Soldier Support and Dual Use Technologies (Soldier support, LS products, Fire protection, Firefighting, Fuel & Energy, Food products etc.), Experience Zone (Simulator, Virtual Reality and Audio-Visual), Software AI & Cyber, Academic Zone, Academic Outreach, Industry Outreach and Public Interface.



## ISRO Is Developing NGLV To Replace Workhorse PSLV

- According to report in the Express News Service, The Indian Space Research Organization (ISRO) is starting to work on a rocket called the Next Generation Launch Vehicle (NGLV) to replace the Polar Satellite Launch Vehicle (PSLV), which was developed in the 1980s.
- ISRO chairman S Somanath made the statement on Thursday at a press conference on the sidelines of the 'Engineers Conclave 2022' at the Liquid Propulsion Systems Centre (LPSC) in Valiyamala.
- "PSLV was created in the 1980s and will not meet the needs of the 2020s. There must be an evolution" Somanath explained. While he refused to give a specific time frame for retiring PSLV, he stated that ISRO will stop using the rocket after completing the remaining government-approved launches.



- NGLV, will employ “semi-cryogenic” technology, which is both efficient and cost-effective. He also hinted that the new rocket might be ‘reusable.’ “A reusable rocket’s payload will be smaller than that of an expendable rocket.” The payload will be approximately five tonnes if it is reusable, and ten tonnes if it is expendable.



## **Navy's Dornier Air Squadron Carries Out Maiden Night Landing In Agatti Airfield**

- An air squadron of the Indian Navy based here carried out its maiden night landing by Dornier aircraft at the Agatti airfield in Lakshadweep islands on Friday as part of its efforts towards round-the-clock maritime surveillance and support to the islands.
- The nighttime exercise was carried out by the Navy's INAS 550 air squadron " to reinvigorate and re-emphasise India's maritime moorings" as part of the 'Azadi ka Amrit Mahotsav'.
- The Agatti atoll, where the lone airstrip of the island archipelago is located, is about 460 km west of Kochi in the Arabian Sea.
- The airfield operated by the Airport Authority of India was inaugurated in April 1988 for the operation of Dornier 228 aircraft, it said and added that ATR 72 planes began operations from there in September 2010.



## Raksha Mantri Launches 'Maa Bharati Ke Sapoot' Website

- Rajnath Singh launched 'Maa Bharati Ke Sapoot' website ([www.maabharatikesapoot.mod.gov.in](http://www.maabharatikesapoot.mod.gov.in)) for contribution to the Armed Forces Battle Casualties Welfare Fund (AFBCWF) at a function organised at the National War Memorial Complex in New Delhi on October 14, 2022.
- The AFBCWF is a Tri-Service fund, which is utilised to grant of immediate financial assistance to the families of soldiers/sailors/airmen who lay down their lives or get grievously injured in active military operations.
- In a video message, Shri Amitabh Bachchan, who is the 'Goodwill Ambassador' of the initiative, expressed his gratitude towards the families of the fallen heroes and exhorted people to come forward and contribute to the fund.
- On the occasion, the Raksha Mantri also felicitated the Next of Kin of fallen heroes and disabled soldiers. Parents and relatives of many war-decorated soldiers graced the occasion. Various performances included rendering of a poem by Shri Manoj Muntashir Shukla, Army Symphony Band, Singer Mohit Chauhan, martial arts performance by Gatka & Kalarippayattu teams of the Army, duet by Dr L Subramaniam and Smt Kavita Krishnamurthy and sharing of views by actor Sidharth Malhotra.
- The event was attended by Chief of Defence Staff General Anil Chauhan, Chief of the Air Staff Air Chief Marshal VR Chaudhari, Chief of the Army Staff General Manoj Pande, Secretary (Ex-Servicemen Welfare) Shri Vijoy Kumar Singh, Vice Chief of the Naval Staff Vice Admiral SN Ghormade and other senior civil and military officials. Olympics Gold medalist Sudebar Neeraj Chopra was also present.



## REVIEW QUESTIONS

**1. Goodwill Ambassador Of 'Maa Bharati Ke Sapoot' Is**

- A. Akshay Kumar
- B. Neeraj Chopra
- C. P V Sindhu
- D. Amitabh Bachchan

**ANSWER: D**

**2. Defence Expo 2022 Will Be Held In**

- A. Surat



- B. Vdodara
- C. Gandhinagar
- D. Jaamnagar

**ANSWER: C**

**3. Helicopter Training School Is Located At**

- A. Hakimpet, Telangana
- B. Chennai, T.N.
- C. Noida, U.P.
- D. None

**ANSWER: A**

**4. Exercise JIMEX 2022 Is Conducted At**

- A. Bay of Bengal
- B. IOR
- C. Japan Sea
- D. None of these

**ANSWER: A**

**5. Maritime Partnership Exercise (MPX) b/w India & France Is Conducted At**

- A. Bay of Bengal
- B. IOR
- C. Pacific Ocean
- D. North Atlantic Ocean

**ANSWER: D**

**6. Which Is The 6<sup>th</sup> Largest Submarine Under P75?**

- A. INS Karanj
- B. INS Vagsheer
- C. INS Kirpan
- D. INS Vela

**ANSWER: B**

**7. Wing Commander Rank Of IAF Is Equivalent to \_\_\_ Rank of Indian Navy.**

- A. Commander
- B. Lieutenant
- C. Admiral
- D. Captain

**ANSWER: A**

**8. Joint Exercise B/w India And Japan Is Called:**

- A. Shinyuu Maitri
- B. SLINEX
- C. Indra
- D. Yudha Abhyas

**ANSWER: A**

**9. "Home in the World" Book Is Written By**

- A. Shashi Tharoor
- B. Sitaram Yechuri
- C. Amartya Sen
- D. APJ Abdul Kalam

**ANSWER: C**

**10. Motto Of the Territorial Army Is**

- A. Rhino Charge
- B. Duty Unto Death
- C. Valour
- D. Savdhani Va Shoorta

**ANSWER: D**

**11. Army Dental Corps Centre Located At**

- A. Lucknow
- B. Pune
- C. Mumbai
- D. None of the above

**ANSWER: A**

**12. Veera Madrassi, Adi Kollu, Adi Kollu Is The War Cry Of**

- A. MECHANISED INFANTRY REGIMENT
- B. THE BRIGADE OF THE GUARDS
- C. MADRAS REGIMENT
- D. None of the above

**ANSWER: C**

**13. Vikram Sarabhai Space Centre Is Located At**

- A. Mumbai

- B. Chennai
- C. Kochi
- D. Thiruvananthapuram

**ANSWER: D**

**14. RATS Stands For**

- A. Regional Anti-Terrorist Student
- B. Regional Anti-Terror Structure
- C. Regional Anti-Terrorist Structure
- D. Regional Anti-Tourist Structure

**ANSWER: C**

**15. Raytheon Technologies Is A Company Of Which Nation**

- A. Taiwan
- B. China
- C. USA
- D. None of the Above

**ANSWER: C**

**16. Mundra Port Is In**

- A. M.H.
- B. Kerala
- C. UP
- D. Gujrat

**ANSWER: D**

**17. Air India One Manufactured By**

- A. India
- B. Japan
- C. France
- D. USA

**ANSWER: D**

**18. World Economic Forum Hq Is In**

- A. Geneva, Switzerland
- B. Lausanne, Switzerland
- C. The Hague, The Netherlands
- D. Gland, Switzerland

**ANSWER: A**

**19. Joint Exercises B/w India And Indonesia Is Called:**

- A. Garuda Shakti
- B. SLINEX
- C. Indra
- D. Yudha Abhyas

**ANSWER: A**

**20. A book Titled “The Struggle for Police Reforms in India” by**

- A. V. P Khare
- B. Ajay Ahuja
- C. Prakash Singh
- D. None of the above

**ANSWER: C**



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