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Defence Current Affairs

11 November 2022

Iran Develops Hypersonic Ballistic Missiles

- Iran's Commander of the Islamic Revolution Guards Corps (IRGC) Aerospace Force Brigadier General Amir-Ali Hajizadeh on Thursday said that the country has developed advanced hypersonic ballistic missiles capable of penetrating air defence systems.
- Speaking on the 11th death anniversary of General Hassan Tehrani Moqaddam, Hajizadeh said that IRGC produced advanced hypersonic ballistic missiles to pass through developed air defence systems.
- Referring to the details of the hypersonic missile, he highlighted that the missile has a high speed and can manoeuvre both in space and out of it. It targets the enemy's anti-missile systems and is a major generational leap in the missile-producing sector, he underlined.
- Both Iran and Russia are targeted by stringent sanctions — Iran after the US unilaterally pulled out of the 2015 nuclear deal between Tehran and world powers, and Russia since it invaded Ukraine in February.
- The two countries have responded to the sanctions by boosting cooperation in key areas to help prop up their economies.

Stalled nuclear talks

- A hypersonic missile is maneuverable, making it harder to track and defend against.
- While countries like the United States have developed systems designed to defend against cruise and ballistic missiles, the ability to track and take down a hypersonic missile remains a question.



Indian Navy Training Team participates in Annual Species Forces and Diving Refresher Camp

- The Indian Navy's Training Team is in Mauritius for participating in the 13th edition of the Annual Species Forces and Diving Refresher Camp. The Training team will be training at the Mauritius Police Force in niche skills like Asymmetric warfare, Maritime Interdiction operations, Underwater operations and Mix-Gas Diving.
- Earlier on Monday, the Indian Naval ship Shivalik and Kamorta, led by Rear Admiral Sanjay Bhalla, participated in the 70th International Fleet Review at Yokosuka, Japan where an Indian band played Japanese martial music and Saare Jahan Se Achha.
- The Spokesperson of the Indian Navy said that Indian Navy chief Admiral R Hari Kumar witnessed the International Fleet Review.
- Upon completion, Indian Navy ships participating in the 26th edition of Exercise MALABAR 22 with ships from Australia, Japan and USA navies. Malabar's series of maritime exercises commenced in 1992 and has grown in complexity over the years. It includes four major navies in the Indo-Pacific Region.



Indian Army Launches Single-window Facility For 'Veer Naris'

- Taking yet another step in leveraging technology, the Indian Army with a motto of "Taking Care of Our Own, No Matter What" launched a single window facility named the "Veerangana Sewa Kendra" (VSK) for welfare and grievances redressal of veer naris. The project was inaugurated by President Army Wives Welfare Association (AWWA) on 10 November 2022 at the premises of the Directorate of Indian Army Veterans (DIAV) premises located at Delhi Cantt.
- Veerangana Sewa Kendra (VSK) will be available as a service to the Indian Army Veterans Portal www.indianarmyveterans.gov.in. The system caters for registering grievances with tracking, monitoring and regular feedback to the applicant. Veernaris / Next of Kin will have multiple means for approaching the VSK through telephone, SMS, WhatsApp, Post, e-mail and walk-ins to seek assistance. Stakeholders can monitor the status of grievances through a Customer Relationship Management (CRM) software and the applicant will receive regular status updates through SMS and email.
- The project leverages digital technology in the seamless coupling of various stakeholders i.e. Record Offices, Officers Record Office, ECHS, AWWA, Canteen Services Directorate, Colonels Veteran, Liaison Officers at PCDA (O) and PCDA (P) on a common digital platform. Non-military stakeholders like Rashtriya Sainik Board (RSB), Kendriya Sainik Board (KSB) & Zilla Sainik Board (ZSB) are being linked through e-mail.
- The postal address of the facility is DIAV, 104 Cavalry Road, Maude Lines Delhi Cantt 110010. A Whatsapp number for the facility is being shared shortly.

Registration of welfare-related grievances can be done on the portal by veer naris through the respective Record Offices, Col Veterans and DIAV. Veer naris will have an option to walk into the facility and meet Assistant Manager VSK/OIC VSK to register and monitor their grievances.

- The project has been driven by DIAV, AG's Branch and the technology solution has been developed by BISAG-N, while Hero MotoCorp has supported the project through their CSR initiative.
- Veer naris are employed as VSK staff to maintain inherent connect and empathy with the beneficiaries. The VSK is one of its kind initiative by the Indian Army towards extending genuine care and support to its widows and veer naris and NoKs.



Sampre Nutritions Ltd, Gurbani Group inks MoU with The African Peace and Security Union

- India based Sampre Nutritions Ltd, Gurbani Group recently signed a Memorandum of Understanding with The African Peace and Security Union. The MoU was signed in Dubai by B.K. Gurbani, Chairman, Gurbani Group and Roll Stephane Ngomat, Chairperson, The African Peace and Security Union.
- This MOU and Protocol of Agreement between the two parties is in furtherance to the set-up of manufacturing plant for the complete range of Fortified Vitaminized Candies for African Countries and all related requirements.
- The African Peace and Security Union will provide all assistance to Sampre Nutritions Ltd in all development activities within the space of the African states

by facilitating and promoting the activities in all projects linked to Agenda 2063 SDG.



India's Heaviest Rocket LVM3's Payload Capability Enhanced With Successful Engine Test

- The payload capability of India's heaviest rocket LVM3 has been enhanced by up to 450 kg with a successful engine test, according to the Indian Space Research Organisation.
- The CE20 cryogenic engine indigenously developed for LVM3 (Launch Vehicle Mark 3) was subjected to a successful hot test at an uprated thrust level of 21.8 tonnes for the first time on November 9, the country's national space agency headquartered here said in a statement.
- "This will enhance the LVM3 payload capability up to 450 kg with additional propellant loading", it said.
- The major modifications carried out on this test article compared to previous engines was introduction of Thrust Control Valve (TCV) for thrust control, ISRO said.
- "In addition to this, 3D printed LOX and LH2 turbine exhaust casings were inducted in the engine for the first time. During this test, the engine operated with approximately 20 tonne thrust level for first 40s, then thrust level was increased to 21.8 tonne by moving the thrust control valve," the statement said.
- "During the test, engine and facility performance was normal and required parameters were achieved," it said.

- LVM3, a three-stage vehicle with two solid motor strap-ons, a liquid propellant core stage and a cryogenic stage, is capable of launching a four-tonne class of satellite to Geosynchronous Transfer orbit.
- The Malabar series of exercises has seen increasing scope and complexity over the years.
- Indian Naval Ships Shivalik and Kamorta also arrived at Yokosuka, Japan on November 2 to participate in the IFR and Exercise Malabar - 2022.
- The presence of these indigenously built ships of the Indian Navy at these multi-national events is an opportunity to showcase the ship-building capabilities of Indian Shipyards during a large international gathering.



REVIEW QUESTIONS

1. Which Ships of the Indian Navy Participated In The Malabar Ex 2022?

- A. Shivalik
- B. Kamorta
- C. Delhi
- D. Both A & B

ANSWER: D

2. INS Chilka Is Located At

- A. T.N.
- B. Odisha
- C. U.P.
- D. Goa

ANSWER: B

3. Ex 'INDRADHANUSH' Conducted b/w India

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

ANSWER: D

4. ENC Is In

- A. Mumbai
- B. Kochi
- C. Vishakhapatnam
- D. Panaji

ANSWER: C

5. Joint Exercises B/w The India And Nepal Is Called:

- A. Surya Kiran
- B. SLINEX
- C. Indra
- D. Yudha Abhyas

ANSWER: A

6. Joint Ex B/w India And Uzbekistan Is Called:

- A. Yama
- B. SLINEX
- C. Indra
- D. DUSTLIK

ANSWER: D

7. Eastern Bridge Air Ex Conducts b/w India &

- A. Qatar
- B. Oman
- C. UAE
- D. None of the above

ANSWER: B

8. Where Is The Hq Of The EAC Of The IAF?

- A.** Kochi
- B.** Vishakhapatnam
- C.** Shillong
- D.** Mumbai

ANSWER: C

9. Joint Exercises B/w The India And Russia Is Called:

- A.** Yama
- B.** Garuda
- C.** Indra
- D.** Yudha Abhyas

ANSWER: C

10. India Purchased ALH Mark III from

- A.** USA
- B.** Sweden
- C.** France
- D.** None of the above

ANSWER: D

11. Which State/UT Holds The Highest No. Of NCC Girls Cdt?

- A.** Kerala and Lakshadweep
- B.** Madhya Pradesh and Chhattisgarh
- C.** Uttarakhand
- D.** None of the above

ANSWER: A

12. Amphibious Transport Dock Is A

- A.** INS Jalashwa
- B.** INS Deepak
- C.** INS Kolkata
- D.** INS Prahar

ANSWER: A

13. "Midnight's Children " Book Is Written By

- A. Salman Rushdie
- B. Jhumpa Lahiri
- C. Vikram Seth
- D. Arundhati Roy

ANSWER: A

14. Regimental Center Of Dogra Regiment Is In

- A. Faizabad, U.P
- B. Bokaro, Jharkhand
- C. Balasore, Odisha
- D. Ambala, Haryana

ANSWER: A

15. MRSAM Is A Jointly Project Developed By

- A. DRDO & ISRO
- B. DRDO & Israel Aerospace Industries
- C. DRDO & NASA
- D. None of the above

ANSWER: B

16. GSAT-7B Is a

- A. Air to Air missile
- B. Sniper Rifle
- C. Anti-tank Guided missile
- D. Communication satellite

ANSWER: D

17. Manama Is The Capital Of

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

ANSWER: C

18. Maitri Missile Is A

- A. Subsonic cruise missile
- B. Anti-tank Guided missile
- C. Short-range surface to air missile

D. None of the above

ANSWER: C

19. ___ Was Founding Father Of Indian Space Programme.

A. K Sivan

B. APJ Abdul Kalam

C. Dr. Vikram Sarabhai

D. Satish Dhawan

ANSWER: C

20. Ottawa Is The Capital Of

A. Oman

B. Qatar

C. Canada

D. Maldives

ANSWER: C





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