

## Answers

### 1) A

It is launched by Khadi and Village Industries Commission (KVIC). Reducing Elephant – Human Attacks using Bees (RE-HAB) is to thwart elephant attacks in human habitations using honey bees fences.

It aims to reduce loss of lives of both, humans as well as elephants. The pilot project was launched at four locations around village Chelur in Kodagu district of Karnataka. These spots are located on the periphery of Nagarhole National Park and Tiger Reserve and prone to human-elephant conflicts.

Project RE-HAB is a sub-mission under KVIC's National Honey Mission; it uses bee boxes as a fence to prevent the attack of elephants. The boxes are connected with a string so that when elephants attempt to pass through, a tug or pull causes the bees to swarm the elephant herds and dissuade them from progressing further.

### 2) C

In May 2016, the Reserve Bank of India (RBI) Act, 1934 was amended to provide a statutory basis for the implementation of the flexible inflation targeting framework.

The amended RBI Act also provides for the inflation target to be set by the Government of India, in consultation with the Reserve Bank, once in every five years. Accordingly, the Central Government has notified in the Official Gazette 4 per cent Consumer Price Index (CPI) inflation as the target for the period from August 5, 2016 to March 31, 2021 with the upper tolerance limit of 6 per cent and the lower tolerance limit of 2 per cent.

Section 45ZB of the amended RBI Act, 1934 also provides for an empowered six-member monetary policy committee (MPC) to be constituted by the Central Government. Governor of the Reserve Bank of India is the ex-officio Chairperson of the MPC having three government nominated members.

The quorum for the meeting of the MPC is four members. Each member of the MPC has one vote, and in the event of an equality of votes, the Governor has a second or casting vote.

**3) B**

India Meteorological Department (IMD) has a shared mandate with Central Water Commission (CWC) for flood forecasting. River basin floods are dealt by the CWC. Flood Meteorological Offices (FMOs) operated by IMD provide meteorological support to the CWC for issuing flood warnings in respect of the 43 rivers of India covering 153 river basins.

CWC issues flood forecasts for about 6 hrs. to 30 hrs. In advance for 176 stations using Quantitative Precipitation Forecast (QPF) received from FMOs of IMD and in-situ hydro-meteorological data.

Flash Floods are highly localized events of short duration with a very high peak and usually have less than six hours between the occurrence of the rainfall and peak flood.

In order to cater to the services of hydro-meteorological events occurring in short duration of time, IMD has implemented a Flash Flood Guidance System (FFGS) with the technical help from World Meteorological Organization (WMO).

**4) C****Rakhigarhi**

The ancient site of Rakhi-Khas and Rakhi-Shahpur are collectively known as Rakhigarhi. It is located on the right bank of now dried up Palaeo-channel of Drishadvati.

Seven (07) mounds are located here. The site has yielded various stages of Harappan culture and is by far one of the largest Harappan sites in India. The site shows the sequential development of the Indus culture in the now dried up Saraswati basin.

**5) A**

The Coalition for Disaster Resilient Infrastructure (CDRI) is a partnership of national governments, UN agencies and program, multilateral development banks and financing mechanisms, the private sector, and knowledge institutions that aims to promote the resilience of new and existing infrastructure systems to climate and disaster risks in support of sustainable development.

India announced a global Coalition for Disaster Resilient Infrastructure (CDRI), at the UN Climate Action Summit 2019 held in New York City, USA, on September 23, 2019.

# The third edition of the annual conference of the Coalition for Disaster resilient Infrastructure (CDRI) was held recently in in virtual format.

**6) C**

The UN Sustainable Development Goals and the WHO End TB Strategy envisages elimination of TB by 2030.

India has committed to eliminating TB in the country by 2025, five years ahead of the global deadline of 2030. The Government of India's National Strategic Plan for TB Elimination 2017-2025 outlines an ambitious agenda and targets which exceed even the aspirational ones set by the World Health Organization's (WHO) End TB Strategy for the world.

In recognition of his outstanding contribution to the movement to eradicate Tuberculosis (TB) from India by 2025, Dr. Harsh Vardhan, Union Minister for Health and Family Welfare has been appointed Chairman of the Stop TB Partnership Board.

Established in the year 2000, the 'Stop TB Partnership' is mandated to eliminate Tuberculosis as a public health problem. The organization was conceived following the meeting of the First Session of the Ad Hoc Committee on the Tuberculosis Epidemic held in London in March 1998.

**7) B**

**8) B**

National Agriculture Market (eNAM) is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.

Small Farmers Agribusiness Consortium (SFAC) is the lead agency for implementing eNAM under the aegis of Ministry of Agriculture and Farmers' Welfare, Government of India.

# Government of India through CCS National Institute of Agricultural Marketing (NIAM), an autonomous organization of Department of Agriculture, Cooperation & Farmers' Welfare, has carried out the assessment of the National Agriculture Market (e-NAM) scheme, with report titled Performance Evaluation of e-National Agriculture Market" (October, 2020).

As mentioned in the aforesaid report, as on 15th May, 2020, 1000 wholesale mandis of 18 States and 03 Union Territories (UTs) have been integrated with e-NAM platform.

**9) A**

NAG is a third Generation (Fire and Forget) mechanized infantry ATGM, with top attack capability to destroy armored vehicle equipped with Explosive Reactive Armour, moving and stationary targets.

The Milan-2T is a Tandem Warhead ATGM with the range of 1,850 meters, produced by BDL under license from MBDA Missile Systems, France. These missiles can be fired from ground as well as vehicle-based launchers and can be deployed in Anti-Tank Role for both offensive & defensive tasks.

Prahaar is an Indian solid-fuel road-mobile tactical ballistic missile developed by the Defence Research and Development Organisation.

# Acquisition Wing of Ministry of Defence (MoD) signed a contract with Defence Public Sector Undertaking (DPSU) Bharat Dynamics Limited (BDL) for supply of 4,960 MILAN-2T Anti-Tank Guided Missiles (ATGMs) to Indian Army.

#### **10) C**

The report was launched by IQ Air, a Swiss air quality technology company specialising in protection against airborne pollutants, and developing air quality monitoring and air cleaning products.

According to the report, Delhi remained the most polluted capital city in the world. The report, however, shows that Delhi's air quality improved by approximately 15 per cent from 2019 to 2020.

India, on the whole, had improved its average annual PM2.5 (particulate matter) levels in 2020 than in 2019. 22 of the world's 30 most polluted cities are from India.

South Indian cities recorded relatively better air quality, though they remained above the daily WHO limit of 25 g/m<sup>3</sup> for most parts of 2020.

#### **11) B**

SAMVAD - Support, Advocacy and Mental Health Interventions for Children in Vulnerable Circumstances and Diseases

The project, aimed at mental health outreach for children who are abandoned and orphaned, child survivors of trafficking, or in conflict with law, was led by National Institute of Mental Health and Neurosciences (NIMHANS).

The Ministry of Women and Child Development is funding the project. The project is being run in collaboration with Panchayati Raj Ministry at a cost of Rs.56 crore for five years.

**12) B**

A 90-day long expedition onboard research vessel RV Sindhu Sadhana with 30 scientists took off from Visakhapatnam recently.

**TraceBioMe Project**

The Council of Scientific and Industrial Research-National Institute of Oceanography (CSIR-NIO), Goa, has initiated a mission recently under one of its flagship project TraceBioMe.

CSIR-National Institute of Oceanography (NIO) has been commissioned to conduct genome and proteome mapping (micro nutrients) present inside single-cell organisms in the Indian Ocean.

The mission aims for mapping the genetic diversity of organisms and the effect of micronutrients and trace metals on them in the Indian Ocean.

The project envisages extensive sampling of water, sediments, planktons and various organisms in different parts of the Indian Ocean to study the presence of different kinds of organisms and the trace metals and micronutrients found therein using modern state-of-the-art molecular techniques as well classical techniques.

**13) B**

The S-400 Triumph is an air defence missile system developed by Almaz Central Design Bureau of Russia.

# Terminal High Altitude Area Defense, formerly Theater High Altitude Area Defense, is an American anti-ballistic missile defense system designed to shoot down short-, medium-, and intermediate-range ballistic missiles.

In October 2018, Rosoboron export signed a contract with India to deliver S-400 missile system, while Russia has already supplied regiments of the S-400 Triumph system to the Armed Forces of China.

# The first Indian military team has left for Russia to commence training on the S-400 air defence system, deliveries of which are expected to begin in end-2021.

**14) A**

The Electoral Bonds can be redeemed only by an eligible Political Party by depositing the same in their Designated Bank Account maintained with Authorised Bank. All payment for the issuance of the Electoral Bonds will be accepted in Indian Rupees only.

**15) C**

Liquefied natural gas (LNG) is natural gas that has been cooled to a liquid state, at about -260° Fahrenheit, for shipping and storage. The volume of natural gas in its liquid state is about 600 times smaller than its volume in its gaseous state. This process makes it possible to transport natural gas to places pipelines do not reach.

When LNG reaches its destination, it is turned back into a gas at re gasification plants. It is then piped to homes, businesses and industries where it is burnt for heat or to generate electricity.

To promote the usage and distribution of Liquefied Natural Gas (LNG), the Government has put LNG imports under Open General Licensing (OGL) category and establishment of LNG infrastructure, including LNG terminals is also under 100% FDI (automatic route).

The government is also promoting usage of natural gas in gaseous/liquid (LNG) through expansion of gas infrastructure including City Gas Distribution, gas grid network and development/retro fitment of LNG based vehicles etc.

**16) A**

Domestic as well as foreign owned entities are eligible to be beneficiaries of these PLI schemes. The PLI schemes will be implemented by the concerned Ministries/ Departments and will be within the overall financial limits prescribed.

**17) A**

The State Election Commissions came into existence in 1993 as envisaged in Articles 243K and 243ZA of the Constitution of India.

The above Articles provide that the Superintendence, direction and Control of the preparation of electoral rolls for, and the Conduct of all elections to the Panchayats and Municipalities shall vest in the State Election Commission consisting of the State Election Commissioner.

The conditions of services and tenure of office of the State Election Commissioner shall be such as the Governor may by rule determine:

Provided that the State Election Commissioner shall not be removed from his office except in like manner and on the like grounds as a Judge of the High Court and the conditions of service of the State Election Commissioner shall not be varied to his disadvantage after his appointment.

**18) B**

The United States, through the DFC, will work with Biological E Ltd., to finance increased capacity to support Biological E's effort to produce at least 1 billion doses of COVID-19 vaccines by the end of 2022 with Stringent Regulatory Authorization (SRA) and/or World Health Organization (WHO) Emergency Use Listing (EUL), including the Johnson & Johnson vaccine.

Japan will assist vaccination programs of developing countries such as the purchase of vaccines and cold-chain support including through provision of grant aid of \$41 million and new concessional yen loans, ensuring alignment with and support of COVAX.

**19) C**

Fly ash is a fine powder that is a byproduct of burning pulverized coal in electric generation power plants. Fly ash is a pozzolan, a substance containing aluminous and siliceous material that forms cement in the presence of water.

Fly ash can be used as prime material in many cement-based products, such as poured concrete, concrete block, and brick. One of the most common uses of fly ash is in Portland cement concrete pavement or PCC pavement.

**20) C**

