

Answers

1) C

- Judima has become the first beverage from the north-eastern region to earn the geographical indication (GI) tag.
- Judima is a rice wine made from sticky rice, which is steamed and mixed with traditional herbs.
- The wine is brewed by the Dimasa tribal community in Assam. It is traditionally made by women.
- The wine has a distinct sweet taste and takes around one week to prepare and it can be stored for years.

2) B



3) A

17th Formation Day of the National Disaster Management Authority (NDMA) was celebrated recently in New Delhi.

The theme of this year's Formation Day is Cascading effects of disaster events in the Himalayan region.

- National Disaster Management Authority (NDMA)
- It is the apex body for Disaster Management in India.
- It is a statutory body established through the Disaster Management Act, 2005.
- It will be headed by the Prime Minister of India.
- Setting up of NDMA and the creation of an enabling environment for institutional mechanisms at the State and District levels is mandated by the Disaster Management Act, 2005.
- NDMA is mandated to lay down the policies, plans and guidelines for Disaster Management.

4) C

Students' Educational and Cultural Movement of Ladakh (SECMOL), India's highest altitude educational organisation, has become the 1st institute in the Union Territory to have an internet connection using LiFi technology.

LiFi Network

- Light Fidelity (LiFi) is a wireless communication technology that transmits data with a light beam spectrum through open space in outdoor and indoor environments.
- It is a Visible Light Communications (VLC) system that has,
- Solid-state lighting (SSL) such as LED bulbs,
- Photo-detector (photodiode) to receive light signals and
- Signal processing element to convert the data (embedded in the light beam) into 'stream-able' content.
- Data is fed into an LED light bulb (with signal processing technology). Then the LED bulb sends data at rapid speeds to the photo-detector.
- Uses - LiFi systems provide ultra-fast, safe and cheap data connections.
- They are chiefly useful in urban areas where radio spectra are congested.
- They are also very useful in rural areas wherein Fiber Optic Cables or networks are not reachable.

- Specialty - LiFi can be up to 100 times faster than Wi-Fi.

5) A

- Dark energy, the mysterious form of energy that makes up about 68% of the universe, has intrigued physicists and astronomers for decades.
- With advanced technologies and newer experiments, scientists have found certain clues about it and an international team of researchers made the first putative direct detection of dark energy.

XENON 1T Experiment

- The XENON1T experiment is the world's most sensitive dark matter experiment and was operated deep underground at the INFN Laboratori Nazionali del Gran Sasso in Italy.
- It is a 3500kg liquid xenon detector to search for the elusive Dark Matter.
- The finding also suggests that experiments like XENON1T, which are designed to detect dark matter, could also be used to detect dark energy.

6) C

- India has been recently elected to the UN Economic and Social Council for the 2022-24 term.
- India was elected in the Asia-Pacific States category along with Afghanistan, Kazakhstan and Oman.
- India is currently serving the 2021-22 term as a non-permanent member of the powerful UN Security Council and will assume the Presidency of UNSC in August, 2021.

UN ECOSOC

- The UN Charter established ECOSOC in 1945 as one of the six main organs of the United Nations.
- ECOSOC's 54 members are elected for three-year terms by the UN General Assembly (UNGA).
- Seats on the Council are allotted based on geographical representation with 14 allocated to African states, 11 to Asian states, six to eastern European states, 10 to Latin American and Caribbean states and 13 to western European and other states.
- The 54-member Economic and Social Council (ECOSOC) is at the heart of the United Nations system to advance the three dimensions of sustainable development – economic, social and environmental.

- It is the central platform for fostering debate and innovative thinking, forging consensus on ways forward, and coordinating efforts to achieve internationally agreed goals.
- It is also responsible for the follow-up to major UN conferences and summits.

7) C

The Defence Research and Development Organisation (DRDO) has recently conducted the maiden flight test of the new version of Akash Missile — Akash Prime. This comes after the maiden test of another Akash version, Akash-NG (New Generation), in January, 2021.

Origin of AKASH

- The development of the Akash SAM was started by the DRDO in the late 1980s as part of the Integrated Guided Missile Development Programme.
- Akash is primarily a Short Range Surface to Air Missile built to provide air defence cover to the vulnerable areas.
- The initial version of the Akash has an operational range of 27-30 km and a flight altitude of around 18 km.
- According to the Ministry of Defence, the Akash Missile system is 96 per cent indigenised, one of the highest proportions of the indigenisation.

Advanced Version of AKASH

- AKASH Prime
- AKASH New Generation (NG)

8) C

9) A

SACRED Portal

- The Ministry of Social Justice and Empowerment will launch the Senior Able Citizens for Re-Employment in Dignity (SACRED) Portal.
- It is a first-of-its kind dedicated employment exchange for senior citizens seeking work opportunities.
- The portal will enable those above 60 years of age to search for jobs on the virtual platform.
- The ministry, however, clarified that the portal does not guarantee jobs but will act as an enabler for those seeking employment.

Background

- This portal is being seen as the way forward against the backdrop of a steady rise in the population of elderly.
- The number of senior citizens has gone up from nearly 2 crore in 1951 to 7.6 crore in 2001 and about 10.4 crore in 2011.
- As per the report of the technical group on population projections for India (2011-2036) submitted to National Commission on Population, the population estimates of senior citizens were 13.76 crore (10.1%) in 2021, which is predicted to rise to 16.28 crore (11.4%) by 2026 and go further up to 22.74 crore (14.9%) in 2036.

10) D

Indian Elephant

- It is a keystone species and an integral component of ecosystems playing a crucial role in maintaining forest ecosystem and biodiversity.
- It has been recognized as National Heritage Animal of India and highest degree of protection has been given under Indian Wildlife Protection Act (1972).
- India has the largest population of Asian Elephants with 30000 wild and about 3600 captive elephants.

11) C

Mundapota Kela

- It is a denotified tribal community belongs to the State of Odisha.
- The population of Mundapota Kela is scattered across the State.
- The community is believed to have migrated to Odisha from Rayalaseema area of Andhra Pradesh decades ago.
- Being street performers, they travel from one village to another and bury their heads in soil for several minutes.
- They collect rice, vegetables and money from villagers for putting up the show.
- The community is extremely poor. Not all members have their own houses.
- Till the 2001 Census, they were not enumerated as a Scheduled Caste.

12) C

13) A

It aims to provide digital health IDs for all Indian citizens to help hospitals, insurance firms and citizens access health records electronically. The Health ID will be free of cost and voluntary for all Indian Citizens

14) B

15) D

16) B

17) B

It is a medium-range mobile surface-to-air missile (SAM) system. It was developed by DRDO. It is equipped with an improved active radio-frequency (RF) seeker. Missile has also been optimized for low temperature and high-altitude operations with the modified ground system.

18) B

It is the first ever summit held by United Nation. In this summit, leaders emphasized that there is a need to achieve the United Nations-mandated Sustainable Development Goals (SDG) by 2030 and address climate change in view of food production.

This event took place in Newyork.

