

May - 18

TNPSC BITS

- ❖ The Indian Meteorological Department (IMD) has predicted that Tauktae cyclone will intensify into a severe cyclonic storm and then later into a Very Severe Cyclonic storm.
 - It is expected to be the strongest in the west coast in two decades.

INTERNATIONAL

Tlatolophus galorum

- ❖ The Palaeontologists recently identified a new species of dinosaur called the Talkative Dinosaur.
- ❖ It was identified in the northern Mexico.
- ❖ The research is being conducted by the National Institute of Anthropology and History of Mexico.
- ❖ It is called “Tlatolophus galorum”.
- ❖ It is a herbivore dinosaur.
- ❖ The Talkative Dinosaurs had ears that could hear low frequency sounds.
- ❖ These dinosaurs emitted strong sounds for reproductive purposes and also to scare away predators.



Miss Universe 2020 - Andrea Meza

- ❖ Miss Mexico Andrea Meza has been crowned as the 69th Miss Universe 2020.
- ❖ Miss India's Adline Quadros Castelino made it to the Top 4.

- ❖ Brazil's Julia Gama is the first runner-up.
- ❖ Peru's Janick Maceta is the second runner-up.
- ❖ India's Adline Castelino and Dominican Republic's Kimberly Perez are third runner-up and fourth runner-up respectively.
- ❖ This year, the pageant was held in Miami, Florida in USA.
- ❖ Zozibini Tunzi of South Africa crowns her successor in the event.



Winchcombe Meteorite



- ❖ The National History Museum located in London is to display a piece of the meteorite that touched down the town of Winchcombe in Gloucestershire in the UK.
- ❖ The meteorite touched the UK soil in February 2021.
- ❖ The meteorite is 4.5 billion years old.
- ❖ This meteorite is rare as it is a carbonaceous meteorite.
- ❖ Out of the 65,000 meteorite types known to mankind, only thousand are of this type.

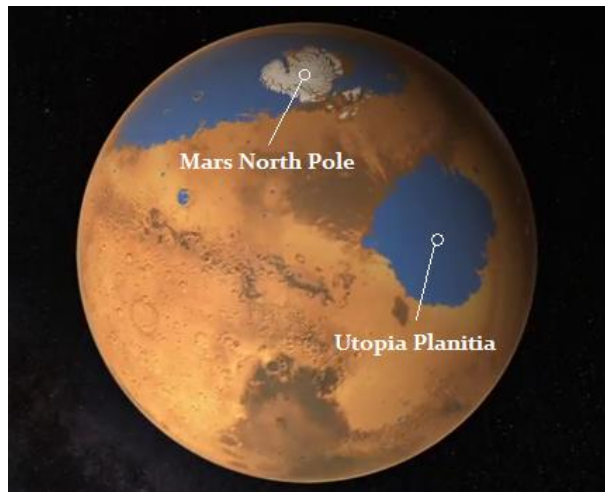
- ❖ The Winchcombe meteorite is similar to that retrieved by the Hayabusa 2 mission.

SCIENCE AND TECHNOLOGY

Zeolites in Oxygen Production

- ❖ The Air India recently airlifted 35 tonnes of Zeolite used in Oxygen Production plants from Rome to Bengaluru.
- ❖ Zeolites are used as adsorbent material in Pressure Swing Adsorption.
- ❖ An oxygen concentrator uses Zeolites to adsorb atmospheric nitrogen and then vents out the nitrogen.
- ❖ This leaves oxygen gas remaining to be used for patients.
- ❖ In high pressure, the surface area of zeolites increases and thus is capable of adsorbing large quantities of nitrogen.

Utopia Planitia of Mars



- ❖ The Chinese Mission to Mars Tianwen 1 recently landed in the Utopia Planitia.
- ❖ It is the place where the Viking 2 lander touched down.
- ❖ Utopia Planitia is an Impact basin of Mars.
- ❖ Impact Crater is a circular depression in the surface of planets formed due to hypervelocity impact of smaller bodies.
- ❖ It may be due to meteors.



Jupiter Icy Moon Explorer - European Space Agency

- ❖ The Jupiter Icy Moon Explorer of the European Space Agency recently entered into a critical sequence of tests.
- ❖ It is called JUICE.
- ❖ It is an interplanetary spacecraft developed by European Space Agency.
- ❖ It is under its development phase.
- ❖ The main contractor of the mission is Airbus Defence and Space.
- ❖ The JUICE Mission will study three Galilean Moon of Jupiter.
- ❖ They are Europa, Ganymede and Callisto.
- ❖ All these three moons have significant amount of water beneath their surfaces.
- ❖ The spacecraft is to be launched in June 2022.
- ❖ It will reach Jupiter in October 2029.
- ❖ It will reach Jupiter after five gravity assists.
- ❖ Gravity Assists is the use of the gravity of other planet or astronomical object to increase speed of a spacecraft or to alter its path.
- ❖ This is done to save the propellant and reduce expenses.

PERSONALITIES, AWARDS, AND EVENTS

Mingma Tenji Sherpa

- ❖ Nepali climber makes world record by scaling Mt Everest twice in shortest span of time in a season
- ❖ Mingma Tenji Sherpa, first reached the summit of the Everest in the evening of May 7.
- ❖ Then scaled the world's highest mountain again on the morning of May 11.

SPORTS

Italian Open 2021

- ❖ Italian Open 2021 was won by Rafael Nadal.
- ❖ This is his tenth title of the Rome Masters.
- ❖ The Finals was held between Rafael Nadal and Novak Djokovic.
- ❖ It is also known as Rome Masters.
- ❖ Italian Open is a clay tennis tournament.

- ❖ Rafael Nadal is a Spanish Tennis player.
- ❖ He has won twenty Grand Slams, thirteen French Open titles so far.
- ❖ His record of winning has been maximum in clay courts.



IMPORTANT DAYS

Sikkim Statehood Day - May 16

- ❖ Sikkim joined the Union of India on May 16, 1975.
- ❖ Since then, every year the Sikkim Statehood Day is celebrated on May 16.
- ❖ In 1950, the Indo-Sikkimese treaty was signed.
- ❖ With this, Sikkim became a protectorate of India.
- ❖ The Namgyal dynasty ruled Sikkim till 1975.
- ❖ The Indian Parliament laid down conditions in its 35th amendment that made Sikkim an "Associate State".
- ❖ Sikkim is the only state to get this designation.
- ❖ The 36th amendment repealed the 35th amendment and made Sikkim a full state.

National Dengue Day - May 16

- ❖ In India, the National Dengue Day is observed to raise awareness about dengue and its preventive measures.
- ❖ The day is an initiative by the Ministry of Health and Family Welfare.

- ❖ Dengue is spread through the bite of the female mosquito (*Aedes aegypti*).



World Telecommunication and Information Society Day - May 17



- ❖ The day marks the anniversary of the signing of the first International Telegraph Convention and the establishment of the International Telecommunication Union.
- ❖ The day is celebrated to raise awareness about the importance of communication and focuses on increasing the United Nations Sustainable Development Goals.
- ❖ The day also focuses on how information travels across the world.
- ❖ The theme for 2021 is "Accelerating digital transformation in challenging times."

World Hypertension Day - May 17

- ❖ It is celebrated by World Hypertension League annually.
- ❖ It is observed to spread awareness about hypertension disease, its prevention, detection, and control.



- ❖ The main risk factor to develop cardiovascular disease is high blood pressure.
- ❖ WHD was first inaugurated in May 2005.
- ❖ Hypertension is also known as a silent killer.
- ❖ The theme of World Hypertension Day 2021 is "Measure Your Blood Pressure Accurately, Control It, Live Longer."

**Measure Your Blood Pressure Accurately,
Control It, Live Longer!**

To mark **World Hypertension Day 2021**, let us celebrate the successes of HEARTS

