



October - 24

## **TNPSC BITS**

- ❖ The Insurance Regulatory and Development Authority of India (IRDAI) has set up a nine-member panel, headed by P Umesh to examine the need for a standard cyber liability insurance product.
- ❖ NITI Aayog has announced the establishment of a Frontier Technologies Cloud Innovation Centre with Amazon Web Services (AWS).
  - This aims to address societal challenges through digital innovation, which is first of its kind in India.

## **NATIONAL**

### **Buldhana Pattern**

- ❖ Union Minister Nitin Gadkari has announced that Maharashtra's 'Buldhana Pattern' of water conservation' has won national recognition.
- ❖ The NITI Aayog is in the process of formulating National Policy on water conservation based on it.
- ❖ It is based on the synchronization of national highway construction and water conservation.
- ❖ It was achieved for the first time in Buldana district of drought-prone Vidarbha region, by using soil from the water bodies and rivers.
- ❖ This consequently leads to the increase in capacity of water storage across the water-bodies in Buldana district and it came to be known as 'Buldana Pattern'.

## **INTERNATIONAL**

### **Framework for Regulatory Sandbox**

- ❖ The International Financial Services Centres Authority (IFSCA) has introduced a Framework for Regulatory Sandbox.
- ❖ The Regulatory Sandbox shall operate within the IFSC located at GIFT City.
- ❖ The objective of the sandbox is to foster responsible innovation in financial services, promote efficiency and bring benefit to consumers.



## SCIENCE AND TECHNOLOGY

### Wheat Bran Marine Bacterial Consortia

- ❖ The National Institute of Ocean Technology (NIOT) has developed an eco-friendly crude oil bioremediation mechanism technology.
- ❖ It has been developed using consortia of marine microbe's wheat bran (WB) immobilized on agro-residue bacterial cells.
- ❖ It was found that complete breakdown and degradation of crude oil was achievable using wheat bran marine bacterial consortia.

## ENVIRONMENT

### Chinese pink dolphins

- ❖ Chinese pink dolphins are making a comeback in the Pearl river estuary in Hong Kong.
- ❖ This species is often referred to as the Chinese white/pink dolphin in China, Hong Kong, Taiwan and Singapore as a common name.
- ❖ The population of these dolphins had fallen by 70-80% in the past 15 years.
- ❖ IUCN Status of this Dolphin is Vulnerable.

## STATES

### First route of Seaplane project

- ❖ The first of the five seaplane services in Gujarat will be inaugurated on October 31.
- ❖ It will be connecting Sabarmati River in Ahmedabad to the Statue of Unity in Kevadia in Narmada district.
- ❖ A seaplane is a fixed-winged aeroplane designed for taking off and landing on water.
- ❖ It offers the public the speed of an aeroplane with the utility of a boat.
- ❖ There are two main types of seaplane: flying boats (often called hull seaplanes) and floatplanes.
- ❖ This is usually supplemented with smaller floats near the wingtips, called wing or tip floats.
- ❖ The hull of a flying boat holds the crew, passengers, and cargo.
- ❖ It has many features in common with the hull of a ship or a boat.



## IMPORTANT DAYS

### World Osteoporosis Day – October 20

- ❖ The day is celebrated to raise global awareness of the prevention, diagnosis and treatment of osteoporosis and metabolic bone disease.
- ❖ It is organized by the International Osteoporosis Foundation.
- ❖ This year theme is “THAT’S OSTEOPOROSIS”.
- ❖ Osteoporosis causes bones to become weak and fragile so that they break easily – even as a result of a minor fall, a bump, a sneeze, or a sudden movement.



### International Chef's Day – October 20

- ❖ The day aims to celebrate and honour the noble profession and educate people around the world about eating healthy.
- ❖ The theme of International Chefs Day 2020 campaign is “Healthy Food for the Future”.

- ❖ International Chefs Day was created by Dr Bill Gallagher, a renowned chef and the former president of the World Association of Chefs Societies (World Chefs), in 2004.



### **National deworming day – October 20**

- ❖ National Deworming Day is celebrated on February 10 and October 20 in India.
- ❖ It aims to create awareness about the Soil Transmitted Helminths and its ill effects.
- ❖ India accounts to 28% of total number of global children between the age of 1 and 14 years of age at risk of Soil Transmitted Helminths.
- ❖ This is about 68% of children in India.



### **Iodine Deficiency Disorders Day – October 21**

- ❖ World Iodine Deficiency Day is also known as Global Iodine Deficiency Disorders (IDD) Prevention Day.

- ❖ The aim of this day is to generate awareness of the adequate use of iodine and to highlight the consequences of iodine deficiency
- ❖ Iodine is stored in the thyroid gland of our body.
- ❖ It is an essential dietary mineral.
- ❖ In 1993, for controlling IDD, a primary intervention strategy that is universal salt iodization was adopted.

## MISCELLANEOUS

### Nazca line Cat Drawing

- ❖ The Peruvian archaeologists have uncovered a 37 metre-long cat on the famous Nazca lines of Peru.
- ❖ It is a world known UNESCO Heritage site.
- ❖ The Nazca lines consists of hundreds of gigantic geoglyphs that date back more than 2000 years.
- ❖ The newly discovered cat Geoglyph is older than the ones discovered earlier.
- ❖ The cat figure was 37 metres long and date from the Paracas Era 500 BC to 200 AD.
- ❖ Nazca lines are a group of Geoglyphs that are made on the ground using elements of landscape such as gravel, stones, dirt or lumber.
- ❖ The lines were discovered in 1927.
- ❖ The site was declared the UNESCO Heritage site in 1994.

