

October - 31

TNPSC BITS

- ❖ World Sustainability Day is celebrated on the fourth Wednesday of October every year.
- ❖ Guinness World Records has officially declared “Monday” the worst day of the week.
- ❖ HDFC Securities, announced the opening of the first-ever Women-Only Digital Centre (DC) in Bengaluru.
- ❖ The Directorate General of Civil Aviation (DGCA) granted Jeypore Airport of Odisha the license to carry out commercial flight operations under the regional connectivity scheme.
- ❖ Economist Dr Bimal Jalan authored the book “From dependence to Self-Reliance: Mapping India’s Rise as a Global Superpower”.

NATIONAL

Employment Outlook of India

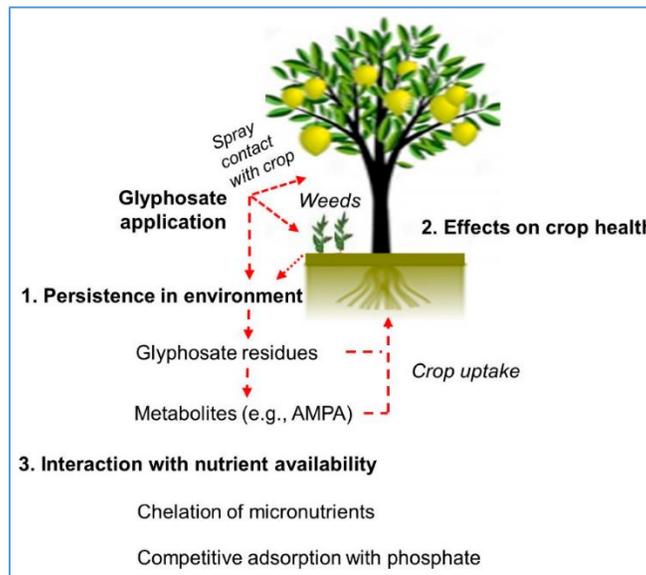


- ❖ The National Statistical Office (NSO) released a press note on Employment Outlook of the country.
- ❖ This report covers a period between September 2017 to August 2022 to evaluate progress in various dimensions.

- ❖ The formal employment in India has witnessed a decline in August as per the Employees' Provident Fund Organisation (EPFO), Employees' State Insurance Corporation (ESIC) and for the National Pension Scheme (NPS).
- ❖ The net new EPFO subscribers decreased 7.1 per cent from 1.82 million in July to 1.69 million in August.
- ❖ Compared to 1.58 million subscribers added in July, the ESIC reported an 8 per cent decrease to 1.46 million subscribers in August.

Ban of Glyphosate

- ❖ The Central Government has finally put restrictions on the use of glyphosate, a weedicide, across the country.
- ❖ It is an herbicide, which is hazardous to human as well as animal health.
- ❖ Glyphosate has been majorly used in tea plantations in India,



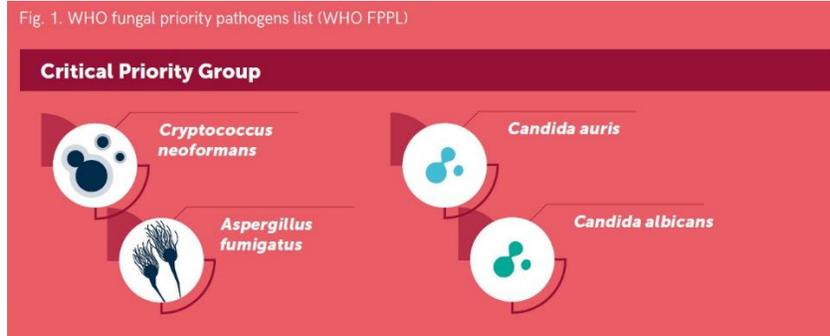
INTERNATIONAL

WHO fungal priority pathogens list

- ❖ The World Health Organisation (WHO) released the first-ever list of fungal infections -- "priority pathogens".
- ❖ The fungal priority pathogens list (FPPL) includes 19 fungi that represent the greatest threat to human health.
- ❖ The WHO FPPL is divided into three categories - critical, high and medium priority.

- ❖ These fungal pathogens are ranked in each priority category based on their impact on public health and/or emerging antifungal resistance risk.
- ❖ The critical group includes *Candida auris*, which is a highly drug-resistant fungi, *Cryptococcus neoformans*, *Aspergillus fumigatus*, and *Candida albicans*.

Fig. 1. WHO fungal priority pathogens list (WHO FPPL)



SCIENCE AND TECHNOLOGY

Missile Agni Prime

AGNI PRIME MISSILE

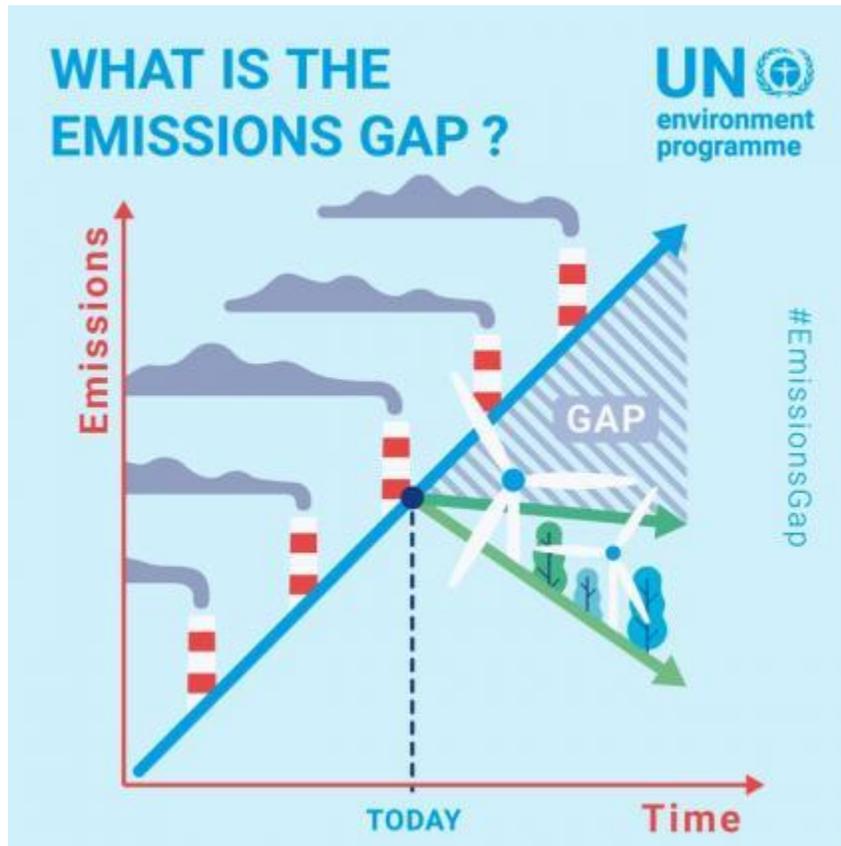
- **About:** New generation advanced variant of the Agni class of missiles.
 - Fully made up of composite material.
 - Smallest and lightest among the entire Agni series of ballistic missiles.
- **Nature:** Canisterised surface-to-surface ballistic missile.
 - Canisterisation lessens time required for launch & improving storage, mobility.
 - A hermetically sealed canister protects the missile from the environment.
- **Range:** 1,000 -2,000 km.
- **Significance:** Further Strengthen deterrence capabilities, manoeuvring & accuracy.
 - High level of accuracy

- ❖ DRDO successfully test-fired indigenously-developed new generation nuclear-capable, medium-range ballistic missile Agni Prime (Agni-P).
- ❖ It is a two-stage canisterised missile.
- ❖ It is the latest and sixth variant of the Agni series missiles.
- ❖ It is built under IGMDP - Integrated Guided Missile Development Program.

- ❖ The missile is capable of delivering a number of warheads at separate locations at a distance of 1,000 - 2,000 km.

ENVIRONMENT

Emissions Gap Report 2022



- ❖ The report titled “Emissions Gap Report 2022-The Closing Window” was released recently by the United Nations Environment Programme (UNEP).
- ❖ Emission Gap Reports assess the gap between countries’ pledges on emission reduction and the reduction required to bring down the global temperature increase below 2°C by the year 2100.
- ❖ It analyses the difference between where the GHG emissions are predicted to be in 2030 and where they should be to prevent catastrophic consequences of climate change.
- ❖ The current policies will lead to a 2.8°C temperature rise by 2100.
- ❖ Implementation of current climate pledges will only reduce this to a 2.4 to 2.6°C temperature rise by the end of this century.

- ❖ GHG emissions must be reduced by 45 percent by 2030 to achieve the Paris Agreement goals.
- ❖ The latest report recommended remedial actions in 6 areas – electricity supply, industry, transport and building sectors, and food and financial systems.
- ❖ It estimates that the global transformation to a low-carbon economy would require 4 to 6 trillion USD in investment each year.

STATES

Shaurya Diwas

- ❖ The Defence ministry organised the ‘Shaurya Diwas’ celebrations in Srinagar, Jammu & Kashmir (J&K).
- ❖ It aims to commemorate the 75th year of air landed operations of the Indian Army at Budgam Airport in 1947.
- ❖ On October 27, 1947, the Indian Army was air-lifted by the Indian Air Force and landed at the Budgam Airport to evict the Pakistani backed Tribal invaders from J&K.



PERSONALITIES, AWARDS, AND EVENTS

2023 Alper Dodger Science Index

- ❖ Fifty-two Indian scientists have been placed in the top two percent of the world in the 2023 Alper Dodger (AD) Science Index.
- ❖ India ranks number 21 in the list of top 2 percent of scientists, whereas the US stands with 4,935 of the world’s top scientists.

- ❖ 216 countries' scientists are listed in the "general ranking", with 50, 245 Indian scientists.
- ❖ It is a ranking and analysis system based on the scientific performance and added value of the scientific productivity of individual scientists.
- ❖ Harvard University has the maximum number of top 2 percent of scientists in the world.
- ❖ It is followed by Stanford University and Oxford University.

IMPORTANT DAYS

Accession Day for Jammu Kashmir - October 26



KASHMIR'S ACCESSION TO INDIA

Jammu & Kashmir's accession to India in 1947 is celebrated annually as Accession Day

Maharaja Hari Singh, the last Dogra ruler of Jammu & Kashmir, agrees to accede to the Dominion of India

The Instrument of Accession is executed by the Maharaja under the provisions of the Indian Independence Act 1947

The Schedule appended to the Instrument of Accession gave Parliament the power to legislate in respect of J&K only on defence, external affairs and communications

On Oct. 27, 1947, Lord Mountbatten, the then Governor-General of India, accepts the accession

- ❖ It commemorates the day when Maharaja Hari Singh signed the Instrument of Accession in 1947, making Jammu and Kashmir an integral part of India.
- ❖ The Jammu and Kashmir Accession Day was officially made a public holiday in 2020 to be celebrated every year in the valley.
- ❖ Originally, Maharaja Hari Singh had decided to retain the independence of his state, signing standstill agreements with both the neighbouring countries to maintain the status quo.
- ❖ However, after he faced attacks from Pathan tribes' people and army personnel from Pakistan, he sought India's help.
- ❖ Thus, the Maharaja inked the treaty on October 26, 1947.

National Unity Day - October 31

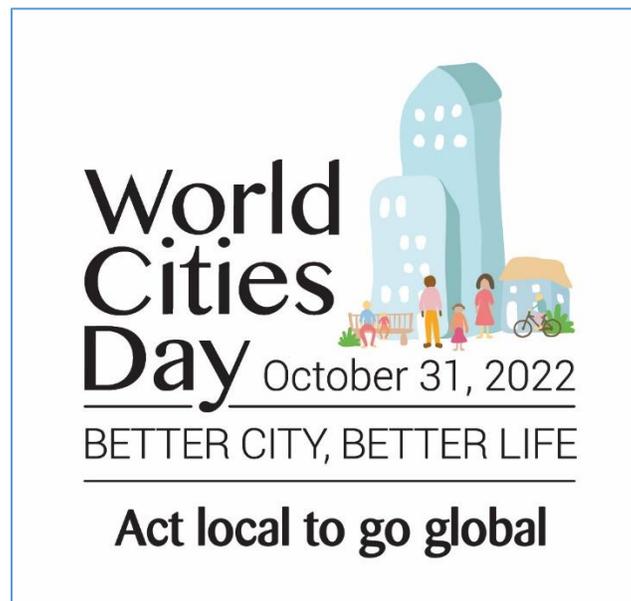
- ❖ The Rashtriya Ekta Diwas or National Unity Day is observed every year since 2014.



- ❖ It commemorates the birth anniversary of the Iron Man of India, Sardar Vallabhbhai Patel.
- ❖ He was the first Home Minister and Deputy Prime Minister of independent India.
- ❖ Women of Bardoli bestowed the title 'Sardar' on Vallabhbhai Patel, which means 'a Chief or a Leader'.



World Cities Day - October 31



- ❖ The Day aims to emphasize the world's urban challenges and engage the international community towards the New Urban Agenda.
- ❖ It was first celebrated in 2014.



❖ The theme of this year is “Act Local to Go Global”.

