

October- 22

TNPSC BITS

- ❖ The Prime Minister inaugurated and dedicated National Police Memorial (NPM) to nation in New Delhi on the occasion of National Police Commemoration Day (Observed on October 21).
- ❖ Indian-American Minal Patel Davis was honoured with Presidential Medal for Combating Human Trafficking'. She was presented with award by US Secretary of State Mike Pompeo for her extraordinary contribution towards combating human trafficking.
 - It is US's highest honour in this field.
- ❖ The seventh meeting of education ministers of member states of Shanghai Cooperation Organisation (SCO) was held in Astana, capital city of Kazakhstan.

TAMIL NADU

C-FLOWS

- ❖ National Centre for Coastal Research (NCCR) has invented Chennai Flood Warning System (C-FLOWS) to estimate & predict flooding within Chennai.
- ❖ It is a six-module ensemble which can predict flooding due to heavy rainfall sea-level rise and increase in water levels of the three rivers,
 - Cooum,
 - Adyar and
 - Kosasthalaiyarthat traverse the Chennai city.
- ❖ The State government shared data such as ward boundaries, population details, and infrastructure available across Tamil Nadu, which have been used in the warning system.
- ❖ C-FLOWS will also be integrated with TN-SMART.



NATIONAL

75 years of 'Azad Hind Government'

- The Prime Minister on 21st October hoisted tricolour at the Red Fort to mark the 75th anniversary of the 'Azad Hind Government' headed by Netaji Subhas Chandra Bose.

Free India or Azad Hind, an Indian provisional government, was established in Singapore on Oct 21, 1943 by Subhas Chandra Bose

"It is blood alone that can pay the price of freedom. Give me blood and I will give you freedom!"

DREAMING OF AN AZAD HIND

Gave greater legitimacy to the Indian independence struggle

Given limited jurisdiction over Andaman and Nicobar Islands, which were renamed "Shaheed" and "Swaraj" respectively, and parts of Manipur and Nagaland

Established by Indian nationalists in exile with monetary, military and political assistance from Imperial Japan

Had its own currency, court and civil code, and postage stamps.

After its formation, the Azad Hind Fauj declared war against Anglo-American allied forces on the Indo-Burma front

- ❖ Traditionally, the Prime Minister hoists the national tricolour at the historic Red Fort on Independence Day on August 15.
- ❖ Bose had announced the formation of the country's first independent government - 'Azad Hind Government' - on October 21, 1943.
- ❖ It was a part of the freedom movement, originating in 1940s outside India with a purpose of allying with Axis powers to free India from British rule.

INTERNATIONAL

China to launch 'artificial moon'

- ❖ China is planning to launch its own 'artificial moon' by 2020 to replace streetlamps and lower electricity costs in urban areas.
- ❖ For this China has developed “illumination satellites” that will shine in tandem with the real moon, but are eight times brighter
- ❖ By reflecting light from the sun, the satellites could replace streetlamps in urban areas, which can illuminate an area of 50 sq. km.

Background

- ❖ China is not the first country to try beaming sunlight back to Earth.
- ❖ In the 1990s, Russian scientists reportedly used giant mirrors to reflect light from space in an experimental project called Znamya or Banner.



US embassy and Consulate General merged

- ❖ The United States has decided to merge its Consulate General with its new embassy in Israel into single diplomatic mission in Jerusalem.
- ❖ This decision was taken as part of US's global efforts to improve efficiency and effectiveness of its operations.
- ❖ It also comes after the US under President Donald Trump administration recognized Jerusalem as Israel's capital in December 2017.
- ❖ The US has moved its Embassy from Tel Aviv to Jerusalem in May 2018.

12th ASEAN Defence Ministers Meeting & 5th ADMM-Plus Meeting

- ❖ The 12th ASEAN Defence Ministers Meeting (ADMM) and 5th ADMM-Plus was held on October 19 and 20, 2018 Singapore.
- ❖ This was the second time Singapore has chaired ADMM since its establishment in 2006 and first time to chair ADMM-Plus since its establishment in 2010.
- ❖ ADMM and ADMM-Plus serves as key Ministerial-level platforms in regional security architecture for promoting strategic dialogue and practical cooperation between ASEAN and its partners.

Bhutan general elections

- ❖ In 2018 general elections of Bhutan, Druk Nyamrup Tshogpa emerged as the single largest majority party by winning 30 seats of the National Assembly's 47 seats.
- ❖ The Prime Minister Tshering Tobgay of ruling People's Democratic Party was defeated in this election.
- ❖ Overall this was the third general election since democracy was adopted in Bhutan in 2008 and the first general elections held same year itself.
- ❖ Lotay Tshering, President of Druk Nyamrup Tshogpa, will be the next Prime Minister of Bhutan.

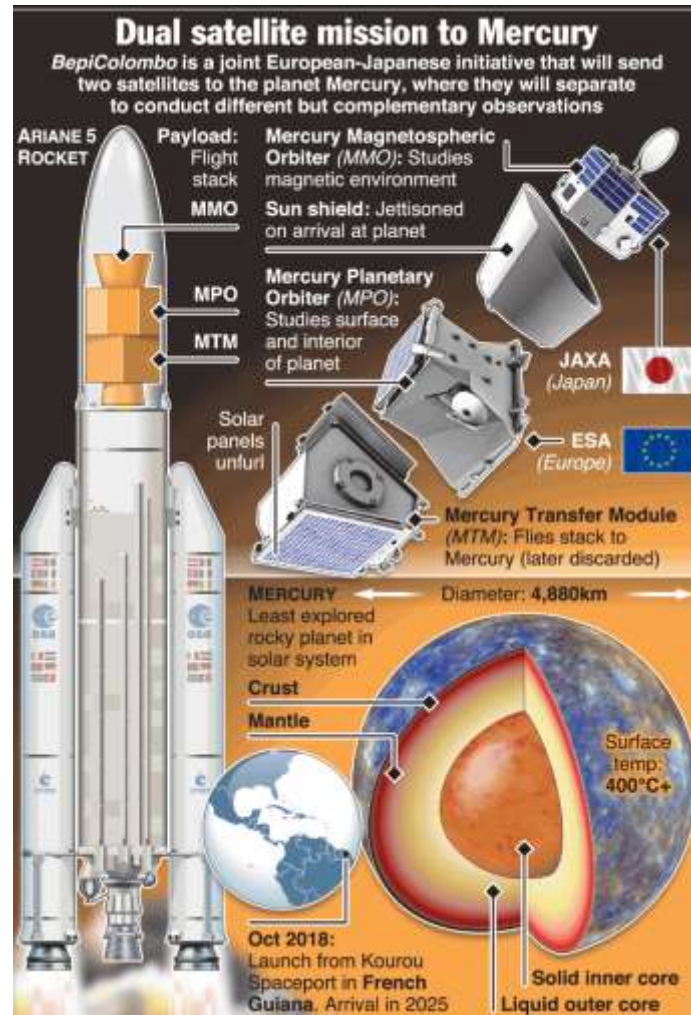
SCIENCE AND TECHNOLOGY

Bepi Colombo mission

- ❖ A British-built spacecraft, Bepi Colombo was launched into space from the European space port in Kourou, French Guiana.
- ❖ The joint endeavour between the ESA and the Japan Aerospace Exploration Agency (JAXA), Bepi Colombo left Earth on an Ariane 5 rocket.
- ❖ It is a 7-year mission to Mercury to uncover mysteries and gather information surrounding the solar system's innermost planet.
- ❖ In 2025 it will place two probes
 - Europe's Mercury Planetary Orbiter (MPO) and
 - Japan's Mercury Magnetospheric Orbiter (MMO)in orbit around Mercury.
- ❖ Till now, only 2 spacecraft have been to Mercury, NASA's Mariner 10 and Messenger.
- ❖ BepiColombo was named after the late Giuseppe "Bepi" Colombo, an Italian scientist and engineer who played a leading role in the 1974 Mariner 10 mission.

Key features of BepiColombo

- ❖ It is the 1st interplanetary mission to employ advanced electric ion propulsion technology, which firing two at a time, will emit beams of electrically charged xenon gas.
- ❖ It will not be used to accelerate the craft but to act as a brake against the Sun's enormous gravity.



Fusion Energy Conference (FEC 2018)

- ❖ The 27th Fusion Energy Conference (FEC 2018) was held in Gandhinagar, Gujarat.
- ❖ It is organised by the International Atomic Energy Agency (IAEA) and hosted by Department of Atomic Energy and Gandhinagar-based Institute of Plasma Research.
- ❖ It aims to provide forum for discussion of key physics and technology issues as well as innovative concepts of direct relevance to the use of nuclear fusion as a source of energy.

World's Largest Unmanned Transport Drone

- ❖ China has successfully tested the world's largest unmanned transport drone.
- ❖ Feihong-98 (FH-98) is the large commercial unmanned aircraft which can carry payload of 1.5 tonnes.
- ❖ It was adapted from the prototype of the Shifei Y5B. Shifei Y5B is China's first fully domestically-built transport aircraft which made its first flight in 1957.

IMPORTANT DAYS

Police Commemoration Day – 21 October

- ❖ The Police Commemoration Day is observed every year on October 21st to pay homage to police martyrs.
 - ❖ The day commemorates supreme sacrifices of ten policemen while defending borders with China in 1959.
 - ❖ The Police Commemoration Day was instituted at Annual Conference of Inspectors General of Police of States and Union Territories held in January 1960.
 - ❖ Since 2012, Police Commemoration Day Parade is being held at national level at the Police Memorial, Chanakyapuri in Delhi.
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