

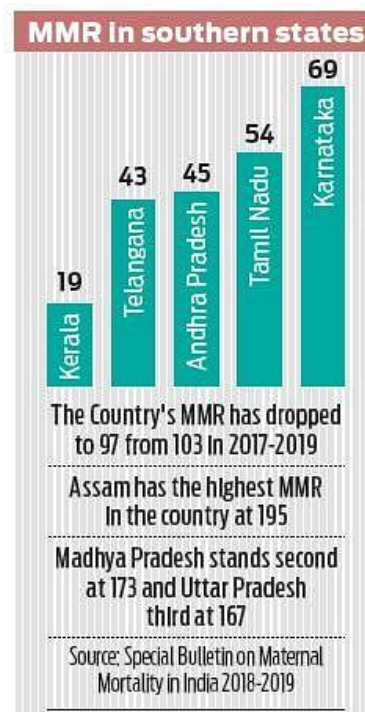
December - 02

TNPSC BITS

- ❖ e-Panchayat Mission Mode Project (eGramSwaraj and AuditOnline) of Ministry of Panchayati Raj has won the GOLD AWARD under the category “Excellence in Government Process Re-engineering for Digital Transformation” of the National Awards for e-Governance.

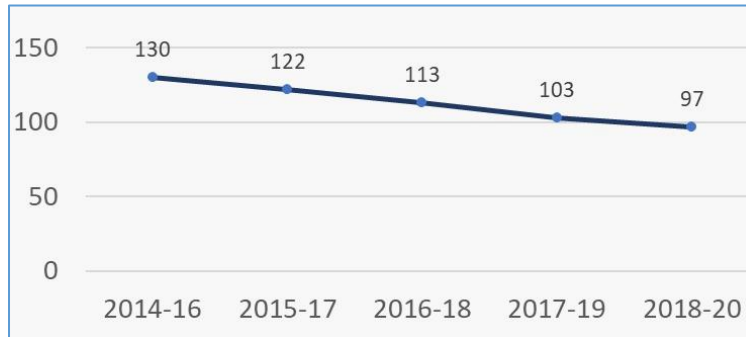
NATIONAL

Mortality rate reduction



- ❖ India's Maternal Mortality Ratio (MMR) for the year 2018-20 was at 97.
- ❖ In 2014-16, the MMR was 130, which has seen a steady decline since then.
- ❖ Maternal mortality in a region is a measure of the reproductive health of women in the area.
- ❖ It is defined as the number of maternal deaths per 100,000 live births.
- ❖ Among the states, Assam recorded the highest MMR at 195 followed by Madhya Pradesh (173) and Uttar Pradesh (167).
- ❖ Kerala has the lowest Maternal Mortality Ratio (19), and is followed by Maharashtra at 33 and Telangana at 43.

- ❖ Tamilnadu stands at Fourth (54).



ECONOMY

Vistara Merge with Air India

- ❖ Vistara airlines will be merged with Tata-owned Air India by March 2024.
- ❖ At present, 51 per cent share in Vistara is with Tata, while Singapore Airlines owns the remaining 49 per cent in the joint venture set up in 2013.
- ❖ Tata bought Air India for ₹ 18,000 crore as part of a government disinvestment around a year ago



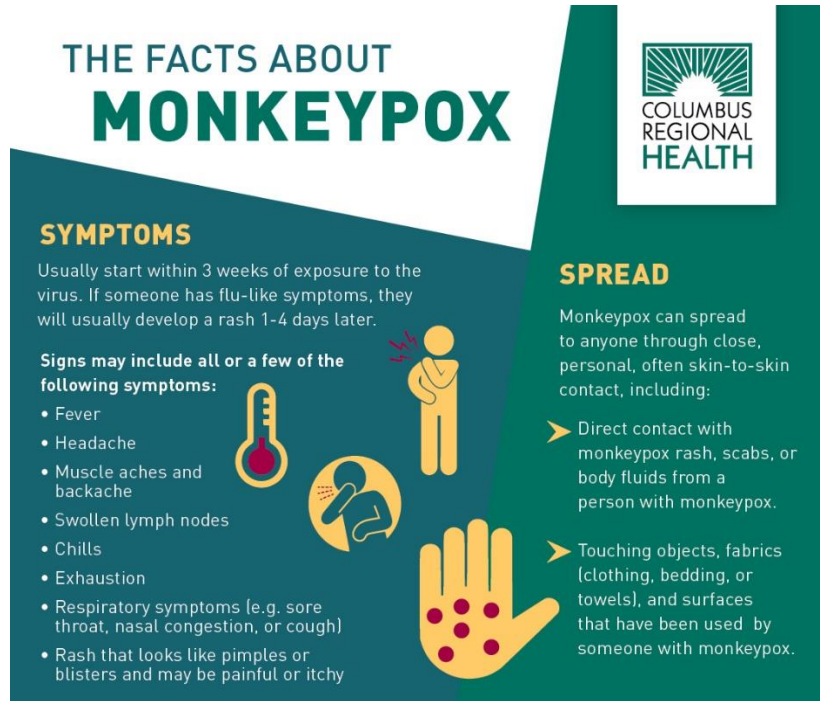
SCIENCE AND TECHNOLOGY

New Name for Monkeypox

- ❖ The World Health Organisation recommended a new name for monkeypox.
- ❖ The disease will now be known as mpox, as a synonym for monkeypox.
- ❖ Both the names will be used simultaneously for one year while monkeypox is phased out.
- ❖ Human monkeypox was given its name in 1970.

- ❖ The naming of viruses is the responsibility of the International Committee on the Taxonomy of Viruses (ICTV).

THE FACTS ABOUT MONKEYPOX



COLUMBUS REGIONAL HEALTH

SYMPTOMS

Usually start within 3 weeks of exposure to the virus. If someone has flu-like symptoms, they will usually develop a rash 1-4 days later.

Signs may include all or a few of the following symptoms:

- Fever
- Headache
- Muscle aches and backache
- Swollen lymph nodes
- Chills
- Exhaustion
- Respiratory symptoms (e.g. sore throat, nasal congestion, or cough)
- Rash that looks like pimples or blisters and may be painful or itchy

SPREAD

Monkeypox can spread to anyone through close, personal, often skin-to-skin contact, including:

- Direct contact with monkeypox rash, scabs, or body fluids from a person with monkeypox.
- Touching objects, fabrics (clothing, bedding, or towels), and surfaces that have been used by someone with monkeypox.

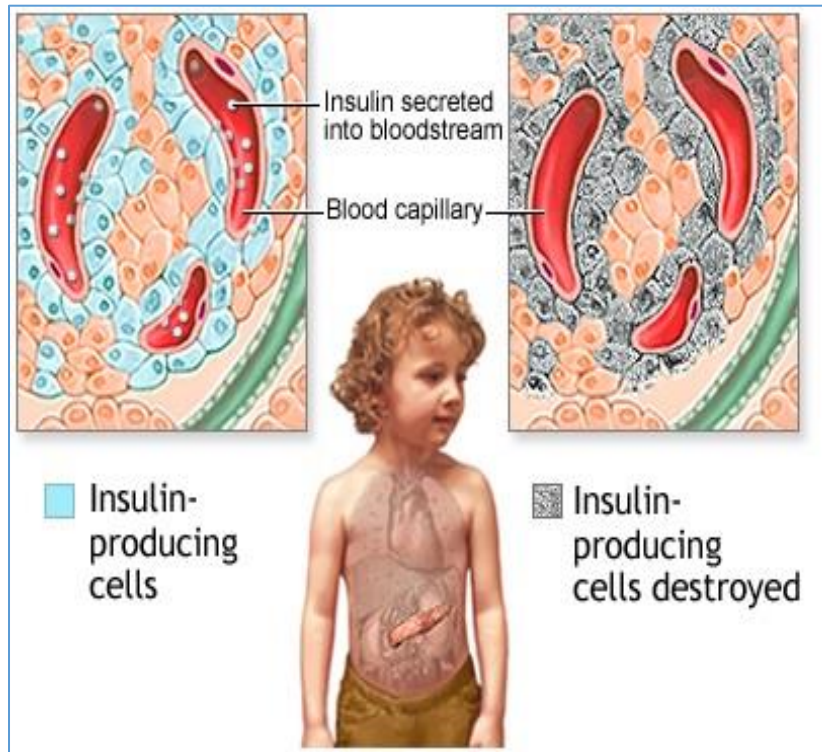
Bharat Biotech's intranasal Covid vaccine



- ❖ Bharat Biotech's iNCOVACC has become the world's first intranasal Covid-19 vaccine to receive emergency use authorisation.

- ❖ It can be used as a primary vaccine as well as heterologous booster for those who have received two doses of another vaccine.
- ❖ iNCOVACC is a recombinant replication deficient adenovirus vectored vaccine with a pre-fusion stabilized SARS-CoV-2 spike protein.

First Drug to Delay Type 1 Diabetes



- ❖ Biologic therapy that delays the onset of type 1 diabetes received approval from the US Food and Drug Administration
- ❖ It is the first therapy approved for prevention of type 1 diabetes.
- ❖ With type 1 diabetes, a person's immune system attacks cells called beta cells in the pancreas that produce insulin.
- ❖ Insulin is a hormone that helps blood sugar enter cells, where it's used for energy.

ENVIRONMENT

Mauna Loa volcano

- ❖ The world's largest active volcano, Mauna Loa on Hawaii, is erupting for the first time in nearly 40 years.
- ❖ Mauna Loa rises 13,679 feet (4,169 meters) above the Pacific Ocean.

- ❖ It is part of the chain of volcanoes that formed the islands of Hawaii.
- ❖ Previously, it erupted in March and April of 1984.



New species of Black Corals

- ❖ Researchers discovered five new species of black corals living as deep as 2,500 feet (760 metres) below the surface.
- ❖ It is found in the Great Barrier Reef and Coral Sea off the coast of Australia.
- ❖ Black corals can be found growing both in shallow waters and down to depths of over 26,000 feet (8,000 metres).
- ❖ Some individual corals can live for over 4,000 years.



REPORTS AND INDICES

GEURS – Survey

- ❖ The Global Employability University Ranking and Survey (GEURS) was released by Times Higher Education (THE).
- ❖ It reveals the top 250 universities in the world that are producing employable graduates as per the recruiters.
- ❖ IIT Delhi was ranked among the top 50 in the list.
- ❖ At the global level, a total of 44 countries featured in the list.
- ❖ In the recently released edition, India is in the 13th position in terms of the number of institutions.
- ❖ It is ahead of countries like Sweden, Hong Kong, Italy and Singapore.
- ❖ IISc Bengaluru secured 58th rank, is the second-best performer in India.
- ❖ It has improved its ranking by three spots.
- ❖ It is followed by IIT Bombay at 72nd position, a raise from the 97th rank in 2021.
- ❖ Five Indian institutions are among the top 200 and a total of seven are in the top 250.
- ❖ IIM-Ahmedabad ranked 154 and IIT Kharagpur got 155th place.
- ❖ Four of the top five universities are in the US.
- ❖ A total of 55 US universities are in top 250.
- ❖ France and the United Kingdom have 18 and 14 universities in the top 250 respectively.

PERSONALITIES, AWARDS, AND EVENTS

Winners of Akademi Puraskar



- ❖ The Sangeet Natak Akademi, announced 128 winners of the Sangeet Natak Akademi Award (Akademi Puraskar) for the years 2019, 2020 and 2022.

- ❖ This is awarded for significant contribution to the fields of music, dance, theatre, traditional/folk/tribal music/dance/theatre, puppetry and contribution / scholarship in the performing arts.
- ❖ The General Council of the Akademi also announced 10 eminent personalities in the field of performing arts as Akademi Fellows.
- ❖ Additionally, the Akademi also announced the names of 102 artists for the Ustad Bismillah Khan Yuva Puraskar for the years 2019, 2020, and 2021.
- ❖ These artists are below the age of 40 years.

National Gopal Ratna Award



- ❖ The award was conferred during the National Milk Day event.
- ❖ National Gopal Award is one of the highest National Awards in the livestock and dairy sector field.
- ❖ It recognizes and encourage all individuals like farmers rearing indigenous animals.
- ❖ Three categories of the Award
 - Best Dairy Farmer Rearing Indigenous Cattle/Buffalo breeds.
 - Best Artificial Insemination Technician.
 - Best Dairy Cooperative/Milk Producer Company/Dairy Producer Organization.

MISCELLANEOUS

First science documentary in Sanskrit

- ❖ A non-feature film named 'Yaanam,' was screened under the Indian Panorama section at the 53rd edition of the International Film Festival at Goa.
- ❖ The 45-minute documentary is a complete Sanskrit film by all means as the entire script and dialogues are in the ancient language.

- ❖ It is based on the autobiographical book “My Odyssey: Memoirs of the Man Behind the Mangalyaan Mission” by former space chairman Dr K. Radha Krishnan.
- ❖ This movie portrays India’s dream project Mars Orbiter Mission (Mangalyaan).

