



June - 04

TNPSC BITS

- ❖ NSE Indices Limited has introduced India's first electric vehicle (EV) Index.
- ❖ National Institute of Mental Health & Neuro Sciences (NIMHANS), Bengaluru has been awarded with the Nelson Mandela Award for Health Promotion for 2024 by the World Health Organization (WHO).
- ❖ NASA and the European Space Agency (ESA) are collaborating to develop a standardized time system for the moon as part of the Artemis program,
- ❖ The Boxing Federation of India (BFI) has agreed to join the World Boxing, the newly-formed governing body.
 - It was formed after the International Olympic Committee (IOC) refused to recognize the International Boxing Association (IBA).

TAMIL NADU

Revenue from commercial taxes 2023-24

A substantial rise The tax collection in Tamil Nadu has increased by over 50% in the first quarter of fiscal 2023			
	Q1 2023	Q1 2022	% change
State Goods and Services Tax	13692.84	9224.11	48.4
Stamps and Registration Fees	4457.95	2314.46	92.6
Land Revenue	58.46	38.07	53.5
Taxes on Sales, Trade etc	13119.24	9484.81	38.3
State Excise Duties	2594.55	1199.23	116.3
Total	33923.04	22260.68	52.3

(IN ₹ CRORE) SOURCE: COMPTROLLER AND AUDITOR GENERAL OF INDIA

- ❖ Tamil Nadu government's revenue from Commercial Taxes grew 47.19% to ₹1,26,005.92 crore in 2023-24 from ₹85,606.41 crore in 2020-21.

- ❖ An additional revenue of ₹40,399.51 crore has been generated in the three years.
- ❖ The Samadhan Scheme was launched in 2023 for the settlement of arrears of tax, penalty or interest pertaining to various taxes administered under Commercial Taxes.
- ❖ Under the scheme, tax dues up to ₹50,000 were waived off.
- ❖ A sum of ₹247.89 crore has been collected on tax dues of over ₹50,000 which is the highest when compared to previous schemes.
- ❖ The Commercial Taxes department also tied up with IIT-Hyderabad for Big data analytics to study the aspects of revenue losses and through this initiative.
- ❖ An additional revenue of ₹129.77 crore has been generated in the last four months.

Tamil Nadu power capacity 2024



The infographic is a blue rectangular box with white and yellow text. It lists five key achievements in Tamil Nadu's power sector from 2021 to 2024, each preceded by a yellow lightbulb icon. The text is in Tamil.

- 2021 முதல் மூன்று ஆண்டுகளில் விவசாயிகளுக்கு 2 இலட்சம் மின் இணைப்புகள்
- மின் நுகர்வோர் சிக்கல்களை தீர்க்க 'மின்னகம்'
- 2021ல் 32,595 மெகாவாட் ஆக இருந்த மின்நிறுவு திறன், தற்போது 36,671 மெகாவாட் ஆக அதிகரிப்பு
- 3,984 மெகாவாட் சூரிய மின் ஒளி உற்பத்தி நிலையங்கள், சூரிய மின் ஒளி உற்பத்தி கட்டமைப்பு 8,496 மெகாவாட் ஆக உயர்ந்துள்ளது
- தனியாருக்குச் சொந்தமான பழைய திறனற்ற 16.8 மெகாவாட் காற்றாலைகளை மீண்டும் வலுப்படுத்த உடக்கம்

- ❖ The Tamil Nadu's power generation capacity had increased to 36,671 MW from 32,595 MW.
- ❖ 17,785 km of new high-tension lines and 31,705 km of low-tension lines had been laid.
- ❖ 54 new substations with a total capacity of 2,739 MVA and 46 new 33/11 KV substations had been established.
- ❖ The record-high peak power demand of 20,830 MW on May 2 was met without any hassle.



- ❖ The solar capacity has increased to 8,496 MW.

ECONOMY

Transfer of gold reserves

- ❖ The Reserve Bank of India (RBI) has moved approximately 100 tonnes (1 lakh kilograms) of gold from the United Kingdom to its vaults in India.
- ❖ This is the first time since 1991 that India has undertaken such a large-scale transfer of gold reserves.
- ❖ More than half of the RBI's gold reserves are held overseas in secure custody with the Bank of England and the Bank of International Settlements.
- ❖ Approximately one third is stored domestically.
- ❖ The central bank held 822.10 tonnes of gold as part of its foreign exchange reserves as of March 31, 2024.
- ❖ India will now hold most of its gold in its own vaults.

Table XII.4: Physical holding of Gold		
	As on March 31, 2023	As on March 31, 2024
	Volume in metric tonnes	Volume in metric tonnes
1	2	3
Gold held as backing for Notes Issued (held in India)	301.09	308.03
Gold (including Gold Deposit) held as asset of Banking Department (including gold held abroad)	493.54	514.07 [#]
Total	794.63	822.10
[#] : 100.28 metric tonnes held in India and 413.79 metric tonnes held abroad.		

RBI Annual Report 2023-24

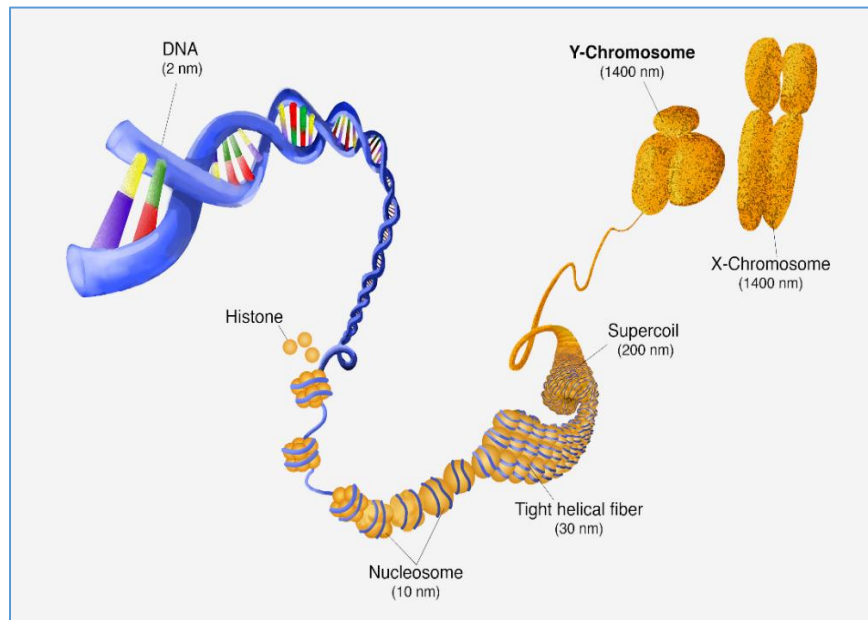
- ❖ Indian economy is likely to grow at 7% in the current fiscal year starting April.
- ❖ The Indian economy with real GDP growth accelerating to 7.6% from 7.0% in the previous year – the third successive year of 7% or above growth.
- ❖ The real GDP growth for 2024-25 is projected at 7.0% with risks evenly balanced.

- ❖ RBI had a net income of Rs 2.11 lakh crore in the financial year 2024, up from Rs 87,420 crore in the previous year.
- ❖ The RBI's balance sheet size increased by 11.08% during the financial year to Rs 70.48 lakh crore.

Sector	Growth Rate				Share		
	Average 2016-17 to 2023-24	2021-22	2022-23	2023-24*	2021-22	2022-23	2023-24*
1	2	3	4	5	6	7	8
GDP at Market Prices (Expenditure Side)							
1. Private Final Consumption Expenditure	5.4	11.7	6.8	3.0	58.1	58.0	55.6
2. Government Final Consumption Expenditure	5.0	0.0	9.0	3.0	9.9	10.0	9.6
3. Gross Fixed Capital Formation	7.0	17.5	6.6	10.2	33.4	33.3	34.1
4. Change in Stocks	57.1	525.4	14.5	5.0	1.1	1.1	1.1
5. Valuables	6.9	32.5	-19.1	13.8	1.9	1.4	1.5
6. Net Exports	-79.2	47.0	52.7	-517.8	-1.0	-0.4	-2.5
a) Exports	7.0	29.6	13.4	1.5	22.6	23.9	22.6
b) Less Imports	7.6	22.1	10.6	10.9	23.6	24.4	25.1
7. Discrepancies	-15.5	-386.9	11.2	-121.0	-3.3	-3.4	0.7
8. GDP	5.5	9.7	7.0	7.6	100.0	100.0	100.0

SCIENCE AND TECHNOLOGY

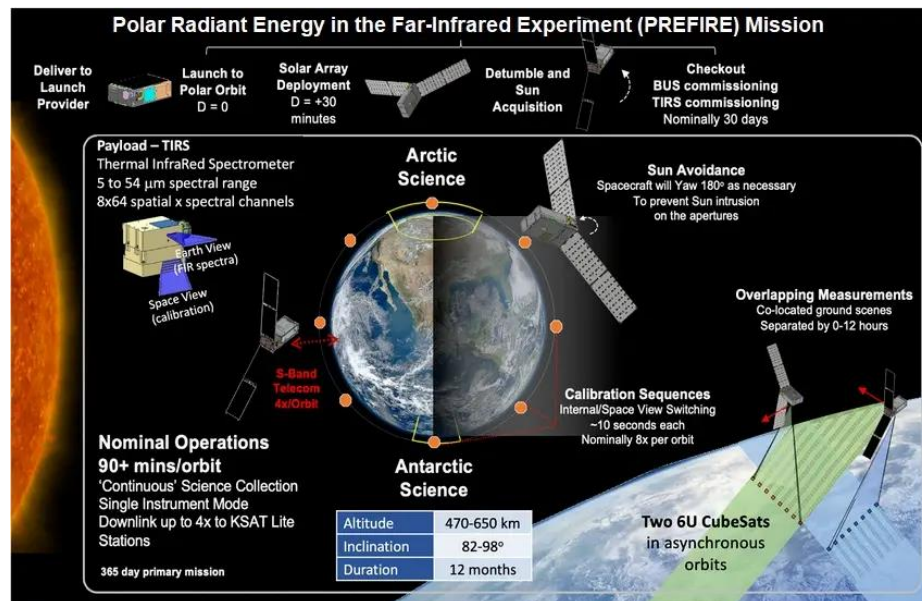
Rapid changes in Y chromosomes



- ❖ Recent study has shed light on the dramatic evolution of the Y chromosome, also known as the male sex chromosome.
- ❖ Scientists discovered that only 14–27% of Y chromosome regions in different ape species are similar to those in humans.

- ❖ This shows that humans and other ape species have evolved very differently.
- ❖ X chromosomes, on the other hand, are very different.
- ❖ Remarkably, the X chromosome, which is present in both males and females, has remained more stable.
- ❖ X and Y chromosomes play roles in sexual development and fertility, along with many other biological functions.

PREFIRE Mission



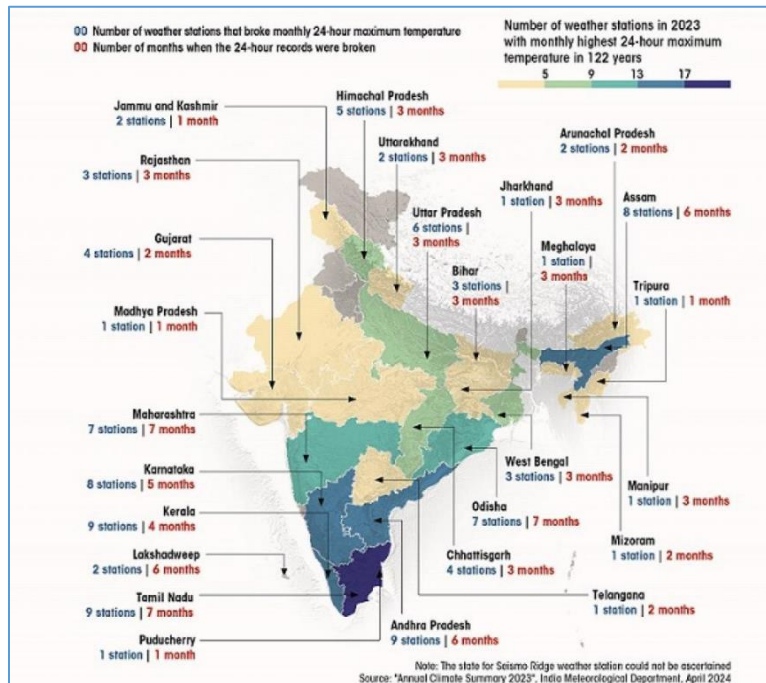
- ❖ NASA has recently launched a pair of miniature satellites, called CubeSats (6U) to measure the heat lost from the Earth's poles.
- ❖ The mission has named as PREFIRE (Polar Radiant Energy in the Far-InfraRed Experiment).
- ❖ It aims to fill a critical gap in understanding the planet's energy budget by studying the heat emissions from the Earth's poles.

ENVIRONMENT

India's Second-Hottest Year on Record

- ❖ In 2023, India endured its second-hottest year on record.
- ❖ At least 102 weather stations across 26 states and Union Territories shattered their monthly highest 24-hour maximum temperature in 122 years.

- ❖ Twenty-seven of the weather stations with record-breaking temperatures were in Andhra Pradesh, Kerala and Tamil Nadu (9 each).
- ❖ Thirty-four of the weather stations with record-breaking 24-hour maximum temperatures were reported in September.
- ❖ Except for October, minimum temperatures remained above normal in the other five months, with anomalies increasing from 0.57°C in July to 1.71°C in December.

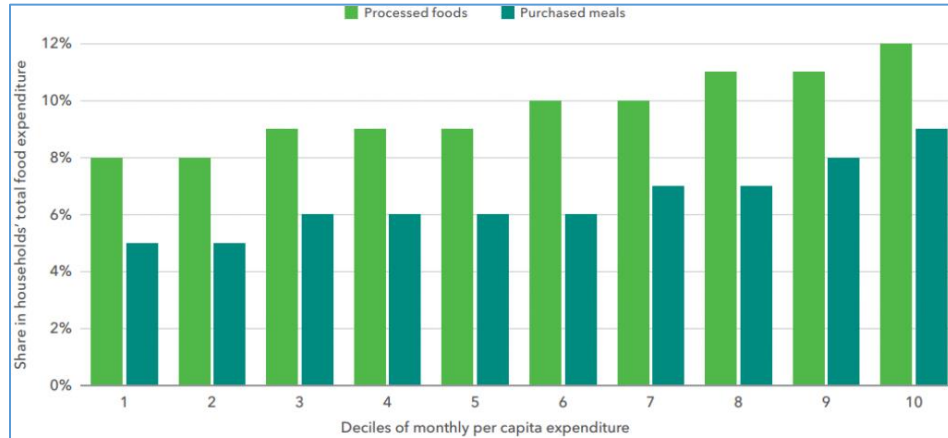


REPORTS AND INDICES

Global Food Policy Report 2024

- ❖ Global food policy report 2024: Food systems for healthy diets and nutrition was released by International Food Policy Research Institute (IFPRI).
- ❖ As a result of poor diet, 16.6 per cent of the India's population suffers from malnutrition.
- ❖ In India, the proportion of the population suffering from malnutrition increased from 15.4% in 2011 to 16.6% by 2021.
- ❖ At least 38 per cent of the Indian population ate unhealthy foods, while only 28 per cent ate all five recommended food groups.
- ❖ The prevalence of overweight in adults increased from 12.9% in 2006 to 16.4% in 2016.

- ❖ The prevalence of overweight, obesity, and related NCDs has risen in South Asian countries such as India, Pakistan, and Afghanistan.
- ❖ More than two billion people, many of them in Africa and South Asia, cannot afford a healthy diet.



PERSONALITIES, AWARDS, AND EVENTS

Outlook Planet Sustainability Summit



- ❖ Goa has recently hosted the first-ever Outlook Planet Sustainability Summit & Awards 2024 for Central Public Sector Enterprises (CPSEs).
- ❖ The awards spanned four major categories:
 - Sustainable Governance Champion,
 - Corporate Responsibility Champion,

- Circularity Champion, and
- Climate Action Champion.
- ❖ The Sustainability Champions in the Editor's Choice Category had honored exceptional performers across institutional and individual categories.
- ❖ In the individual category, Dr. PS Gahlaut of Indian Potash and Prof. Rintu Banerjee, Dean of R&D at IIT-Kharagpur, were recognized for their contributions.

KAZA Summit

- ❖ The Kavango Zambezi Trans-Frontier Conservation Area (KAZA TFCA) Heads of State Summit was held in Livingstone, Zambia.
- ❖ It was launched a new destination brand, "Rivers of Life," during the event.
- ❖ TFCA components across five partner countries — Angola, Botswana, Namibia, Zambia and Zimbabwe.
- ❖ Spanning an area of approximately 200,773 square miles, the KAZA TFCA is the world's largest terrestrial trans frontier conservation area.

