

November - 01

TNPSC BITS

- ❖ Ministry of Consumer Affairs has launched a Dark Patterns Buster Hackathon - 2023 to provide easy solutions to consumers to bust unfair practices adopted by e-commerce platforms.
- ❖ Third Ammunition Cum Torpedo Cum Missile (ACTCM) Barge, LSAM 17 (Yard 127) was launched recently.
- ❖ The 16th Urban Mobility India (UMI) Conference & Exhibition 2023 was held in New Delhi.
- ❖ India and Kazakhstan take part in the 7th edition of Joint Military 'Exercise KAZIND-2023'.
- ❖ Former Reserve Bank of India (RBI) governor Raghuram Rajan's new book in collaboration with fellow economist Rohit Lamba, 'Breaking the Mould: Reimagining India's Economic Future,' will be released on 7 December.

TAMIL NADU

Population of peafowls

Major findings

● Birds that live in key habitats such as open ecosystems, rivers, and coasts have declined

● Raptors, migratory shorebirds and ducks have declined most



● Indian peafowl continues to thrive

● Asian koel has increased in past three decades

● Urgent conservation action needed for most critically threatened species in the country: Jerdon's courser, great Indian bustard, white-bellied heron, Bengal Florican, Finn's weaver

● Certain species groups like nocturnal birds (owls, nightjars), mountain pheasants and seabirds are poorly represented in citizen science (or other) datasets for large-scale analysis

● IUCN Red List shows 49% of bird species worldwide are declining in population compared with only 6% increasing

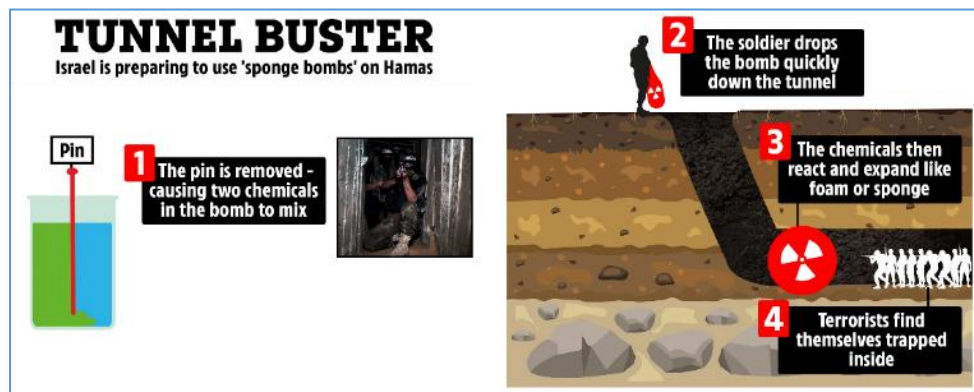
- ❖ The population of peafowls has increased exponentially across Tamil Nadu in the last five to 10 years.

- ❖ It led to increase in the human-animal conflicts.
- ❖ One of the reasons for the proliferation of peafowls is due to a drop in the numbers of predators such as jackals as a result of reducing thickets.
- ❖ Another reason could be due to the rising temperatures due to climate change and subsequent increase in dry areas, which are preferred by the bird
- ❖ The Indian peafowl (*Pavo cristatus*) is regarded as the national bird.
- ❖ It is listed under Schedule-I of the Wildlife Protection Amendment Act, 2022, with the highest degree of protection.

INTERNATIONAL

Sponge Bombs

- ❖ The Israeli forces are reportedly making "sponge bombs" to tackle the Hamas challenge.
- ❖ These are the chemical weapon and are different from traditional explosives.
- ❖ The "sponge bombs" are encased within a protective plastic container, which has a metal barrier that divides two distinct liquids.
- ❖ Once activated, these liquids merge and advance toward their intended destination.
- ❖ They do not explode in the traditional sense, instead they trigger a sudden explosion of foam.



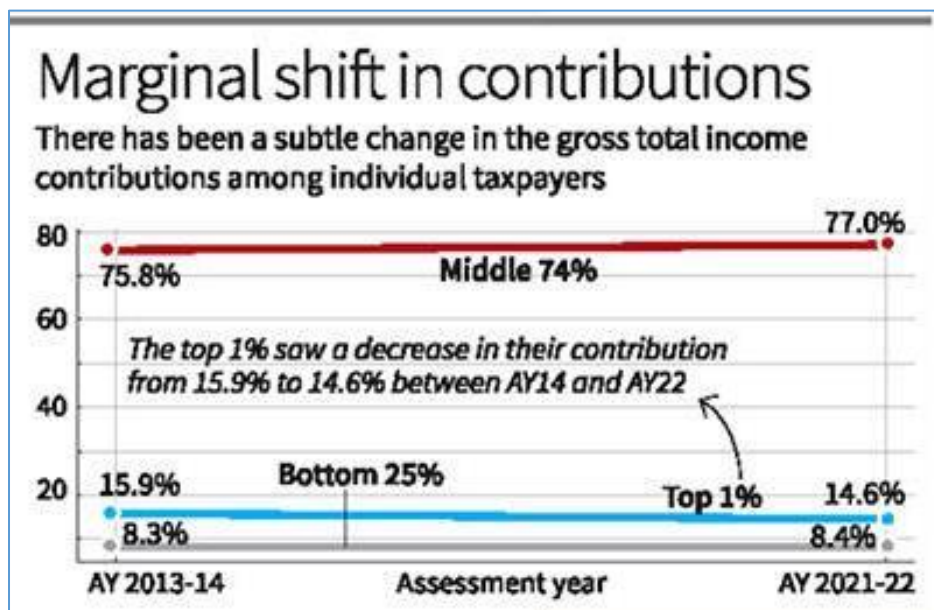
ECONOMY

Shifting Trends and Income Inequality

- ❖ The Income tax return statistics for the assessment years 2019-20 to 2021-22 released by the Income Tax Department.



- ❖ During the financial year 2020-21, a total of 6.75 crore taxpayers filed their income tax returns.
- ❖ It is marking a 5.6 percent increase from the previous year's 6.39 crore filings.
- ❖ Additionally, around 2.1 crore taxpayers paid taxes but did not file returns, indicating a persistent issue.
- ❖ The total number of taxpayers has shown a consistent increase, rising from 5.87 crore in AY 2018-19 to 6.75 crore in AY 2021-22.
- ❖ The top 1 percent of income tax payers went from earning 17 percent of all income in 2013-14 to 23 percent in 2021-22.
- ❖ The income growth of the ultra-rich outpaced that of the middle class.
- ❖ The top 1 percent are seeing their income grow 60 percent faster than the lowest 25 percent of taxpayers.
- ❖ Around 7.41 crore returns were filed for AY 2023-24, including 53 lakh first-time filers.

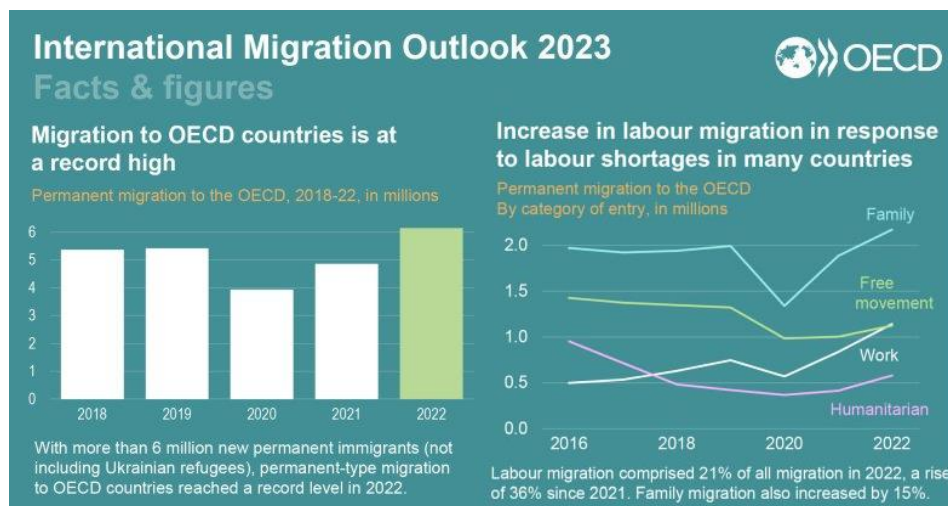


REPORTS AND INDICES

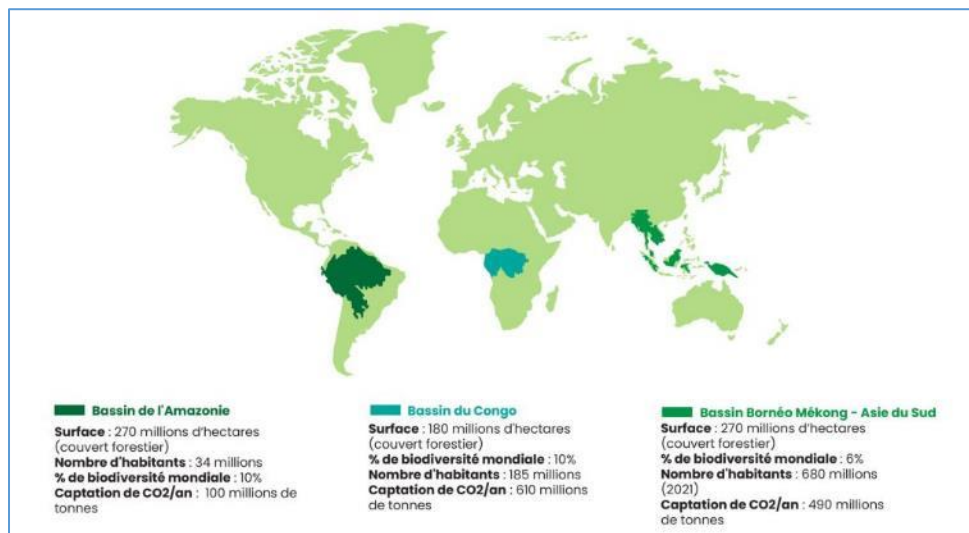
OECD International migration outlook 2023

- ❖ India saw the highest migration flows to Organisation for Economic Co-operation and Development (OECD) countries in 2021 and 2022.
- ❖ India replaced China as the main country of origin of new migrants to OECD countries in 2020.

- ❖ In 2021, for the second consecutive year, India, with 0.41 million new migrants, was the top country of origin.
- ❖ China, with 0.23 million new migrants, was at a distant second, followed by Romania with around 200,000 new migrants.
- ❖ OECD is an association of 38 member countries, most being rich developed nations that attract migrant workers and students.
- ❖ India has been the main origin country of new citizens in OECD countries since 2019.
- ❖ This was despite a recent drop of 15 per cent, compared to 2019.
- ❖ 1.3 lakhs Indian citizens acquired the nationality of an OECD country in 2021.



The Three Basins Threat Report



- ❖ The Summit of the Three Basins took place in Brazzaville, Republic of Congo.

- ❖ It is aimed at strengthening governance for three vital ecosystems: the Amazon, Congo, and Borneo-Mekong/Southeast Asia.
- ❖ 'The Three Basins Threat Report: Fossil Fuel, Mining, and Industrial Expansion Threats to Forests and Communities' was released recently.
- ❖ In Southeast Asia, nearly 20% of undisturbed Tropical Moist Forests are within oil and gas blocks designated for production or exploration.
- ❖ Nearly 20 per cent of intact tropical forests in the three basins are now in active and potential oil and gas concessions.
- ❖ The first Summit of the Three Tropical Forest Basins took place in Brazzaville in 2011.
- ❖ It led to the Declaration of the Summit of the Three Tropical Forest Basins.

STATES

Hostile Activity Watch Kernel (HAWK) system

- ❖ The Karnataka Forest Department, along with the Wildlife Trust of India, has launched the Hostile Activity Watch Kernel (HAWK) system.
- ❖ It is a specialised software platform to monitor all aspects of forest and wildlife crime.
- ❖ The system would help the department monitor activities such as the death of wildlife, suspected criminal activities, and the movement of suspicious vehicles.



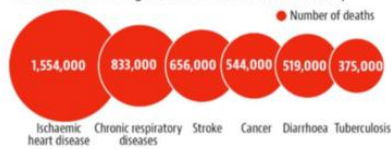
Highest cancer rate in India

- ❖ Despite being the country's second least populated State, Mizoram exhibits the highest incidence rate of cancer in India.

- ❖ Stomach cancer emerging as the primary cause of cancer-related deaths among men, while lung cancer plays a parallel role among women.
- ❖ One in nine people across India are likely to develop cancer in their lifetimes.
- ❖ Lung and breast cancers were the leading sites of cancer in males and females, respectively.
- ❖ Among childhood (0-14 yr) cancers, lymphoid leukaemia (boys: 29.2% and girls: 24.2%) was the leading site.
- ❖ The incidence of cancer cases is estimated to increase by 12.8 per cent in 2025 as compared to 2020.

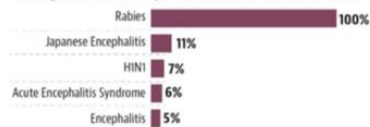
Deadliest diseases in India

Several heart, respiratory diseases have a steep fatality rate and account for a high number of deaths in the country



CASE FATALITY RATE OF TOP INFECTIOUS DISEASES

Case fatality rate, the proportion of people who die of a disease among total number of patients, of Covid-19 is about 1.56%



Source: National Burden Estimates of healthy life lost in India, 2017: an analysis using direct mortality data and indirect disability data (Lancet Global Health 2019; National Health Profile 2019)

SOME FACTS OF LIFE & DEATH



CANCER, SECOND BIGGEST KILLER

Number of cases doubled from 5.5 lakh in 1990 to 10.6 lakh in 2016

Adjusted for change in population and age profile, **no increase** in cancer incidence

Stomach cancer, the most common type, is falling; liver cancer is rising fastest



HEART DISEASE, BIGGEST KILLER

Caused 28 million deaths in 2016

Diet the biggest cause, followed by high blood pressure



DIABETES

Cases went up from 26 million in 1990 to 65 million in 2016

Tamil Nadu, Kerala, Delhi worst three



SUICIDE, BIGGEST CAUSE OF DEATH IN 15-39 AGE

India accounts for 37% of global suicide deaths among women. **Suicide rate among women twice the global average.** Highest in Tamil Nadu, lowest in Nagaland

PERSONALITIES, AWARDS, AND EVENTS

Chinese Premier Li Keqiang



- ❖ Former Chinese Premier Li Keqiang passed away recently.
- ❖ Li was nominally China's No. 2 leader until late last year.
- ❖ He served as the country's premier – traditionally in charge of the economy – for a decade from 2013 to March this year.
- ❖ He became the governor of Henan province in 1998.
- ❖ He was China's youngest-ever governor at the time.
- ❖ Later, he became a part of the CCP Politburo's Standing Committee in 2007.

SPORTS

Asian Para Games 2023 – China

- ❖ India finished the Asian Para Games 2023 with a best-ever medal tally of 111 medals.
- ❖ It includes 29 gold, 31 silver and 51 bronze.
- ❖ India's this record-breaking medal, which is more than the 72 medals in 2018.
- ❖ The Indian contingent's 29 gold medals were a new record, and in 2014, they only won three golds.
- ❖ Women formed 37 percent of the Indian contingent in Hangzhou, winning 40 medals out of the 111 hauls.

Rank	Country	Gold	Silver	Bronze	Total
1	China	214	167	140	521
2	IR Iran	44	46	41	131
3	Japan	42	49	59	150
4	South Korea	30	33	40	103
5	India	29	31	51	111

