

GROUP I PRELIMS CURRENT AFFAIRS
ENGLISH VERSION

Part II

இலவச Group I & Group II Mains தேர்வு
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GROUP I PRELIMS CURRENT AFFAIRS

Part II

TOPICS
TAMIL NADU
STATES
INDIA
INDIA AND WORLD
WORLD
ECONOMY
DEFENCE
BOOKS, REPORTS & INDEXES
SUMMITS
SCIENCE & TECHNOLOGY
AWARDS
PERSONALITIES
SPORTS
DAYS

TAMIL NADU

➤ Pegatron in Tamil Nadu:

Tamil Nadu second iphone manufacturing facility opens at Chengalpattu
Pegatron, a Taiwanese firm
Third apple vendor to set up manufacturing unit in india after Foxconn (TN), Wistron.

❖ Konthagai Excavation:

Iron sword unearthed at Konthagai excavation site, part of keeladi cluster near Madurai.
Found along with grave goods.

❖ Awards for Tamil Nadu:

Tamil Nadu secured top position in various categories of awards for Swachh Survekshan Grameen 2022, Jal Jeevan Mission.
First prize in the functionality Assessment 2021-22 to municipal administration and water supply ministry.
Third prize for Swachh Survekshan Grameen 2022.

❖ Gram Sabha meeting in Tamil Nadu:

Held six times in a year.
Republic day (Jan 26), Labour day (May 1), Independence day (Aug15), Gandhi Jayanti day (Oct 2), world water day (Mar 22), Local governance day (Nov 1).

❖ Vallalar's 200th birth anniversary:

Mupperum vizha of vallalar at kapaleeswarar temple in Chennai.

1. 200th birth anniversary of vallalar
2. 156th year of Dharmasalai
3. 152nd year of Jothi Darshanam

Ramalinga Swamigal or Ramalinga Adigal (1823–1874), was born in Marudhur, a village near Chidambaram.

He showed his compassion and mercy on all living beings including plants. This he called jeevakarunya.

He established the Samarasa Vedha Sanmarga Sangam in 1865.

Ramalinga also established a free feeding house for everyone irrespective of caste at Vadalur (1867).

His voluminous songs were compiled and published under the title Thiruvartuppa (Songs of Grace).

❖ **Uzhavar Sandhai:**

Launched in Jan 2000 by former CM Karunanidhi
Hosur uzhavar sandhai was among first markets established by Agricultural Marketing and Agriculture Business Department.
To promote direct contact between farmers and consumers, through which the farmer can get full profit without middlemen or brokers.

❖ **Liquefied Compressed Natural Gas station:**

TN CM launches first-of-its-kind Liquefied Compressed Natural Gas station in Ranipet district.

❖ **Organ Donation in TN:**

Registered 115 donors so far this year
But Only 60 deceased donors in 2021.
Data released by Transplant Authority of Tamil Nadu (TRANSTAN)

❖ **TN Aerospace Defence Industrial Policy:**

Tn govt set to amend Aerospace Defence Industrial Policy providing to offer incentives to the industries.
This policy released in 2019.

❖ **TN raises concern over presence of Chinese troops in Sri Lanka:**

Reasons:

Free movements of Chinese nationals in southern Sri Lanka
Arrival of **Yuan Wang 5**, a Chinese research vessel at Sri Lanka
Deployment of sophisticated gadgets in the garb of launching sea cucumber farming.
Activities of Chinese in the neighbouring country is a concern to national security.

Tamil Nadu Coastal line:

Tamil Nadu has a coastal length of approximately **1,076 kilo metres**, which accounts for more than 13 percent of India's total coastline.
Tamil Nadu has the **second-largest coastline** in India.

❖ **CAG report on Tamil Nadu economy 2016-2021:**

Agriculture sector's contribution to Tamil Nadu's overall growth had increased.

Industries and services sector growth had come down during the five years period from 2016-2021.

State's growth rate of GSDP in 2020-21 at current prices was **5.87%** as against India's growth rate of -2.97%.

Tamil Nadu **revenue deficit – 3.28% of GSDP and fiscal deficit – 4.61%**

❖ **Tamil Nadu launches mission to save vultures:**

Formed a state level committee to setup **an institutional framework for the effective conservation of critically endangered vultures.**

In Tamil Nadu, 4 species of vultures are found

Oriental white backed vulture

Long billed vulture

Red headed vulture

Egyptian vulture

Found in landscape of Nilgiris, Satyamangalam and Dharmapuri.

Vulture play a key role in nature's scavengers, keeping the environment clean.

❖ **RoadEase App:**

launched by **Greater Chennai Traffic Police**

To give real time updates on traffic diversion, road closure and available route options

❖ **Dravidaris annamalaica:**

New member of the grasshopper world, which has been identified from TN, is named after the Dravidian Landscape.

Dravidaris annamalaica restricted to east coast of TN

❖ **Aruna Jagadeesan committee:**

A panel probe connection with the May 2018 police firing in Thoothukudi which left 13 anti-Sterlite protesters dead.

❖ **TN forms council on climate change:**

To establish the Tamil Nadu Governing Council of Climate Change, with CM as its head.

Key initiatives in climate change missions

1. Tamil Nadu Green Mission
2. Tamil Nadu Climate Change Mission
3. Tamil Nadu Wetland Mission

Set up a special purpose vehicle, Tamil Nadu Green Climate Company, to steer climate action effectively.

❖ **Manjal Maanagaram – Erode:**

Erode is the second largest turmeric market in India after Nizamabad in Telangana.

Turmeric is one of the most important spices with medicinal properties. Example, used in cure for Jaundice.

India is largest producer, Consumer and exporter of turmeric.

Erode accounts for over 40% of the total states in the country.

Erode Turmeric obtained GI tag in 2019

TN government established a turmeric research station at Bhavanisagar to improve the varieties with a high curcumin content.

❖ **Nattpudan Ungalodu Mananala Sevai:**

Mental health help line 14416 (Tele-MANAS)

Aimed at providing mental health assistance through a tele-platform round the clock.

❖ **Kashi-Tamil Sangamam:**

Initiative of the Government of India

People from Tamil Nadu will be taken educational tour to Kashi

Kashi-Tamil Sangamam held in IIT-Madras

❖ **India's first slender loris sanctuary:**

Kaduvur slender loris sanctuary in Karur and Dindigul districts in Tamil Nadu.

Sanctuary area are in the Eastern ghats of the Dindigul and Karur forest divisions.

14000 slender lorises in the DIndigul and Karur forest

Slender Loris:

Small nocturnal mammals and spend most of their life on trees.

Listed as Endangered species in IUCN

❖ **TN CM releases magazines:**

‘Oonjal and Thensittu’ magazines for encouraging habit of reading and writing in Tamil and English among school students

‘Kanavu Aasiriyar’ for teachers.



NATRAJ INSTITUTE OF TNPSC

(A Specialised Institute with shortcut Ideas)

❖ **Kutty Cop:**

TN CM launched 'kutty cop', a road safety awareness education project in Coimbatore



STATES

➤ **New Chief Justice to high courts:**

Dr.S.Muralidhar – Chief justice of Madras High Court

Pankaj Mithal – Chief Justice of Rajasthan High Court

Jaswant Singh – Chief Justice of Orrisa High Court

Ali Mohammad Magrey - Chief Justice of Jammu & Kashmir and Ladakh.

Prasanna B. Varale - Chief Justice of Karnataka High Court

❖ **Pakhru tiger safari project:**

FSI reported 6000 trees illegally cut in Jim Corbett National Park in Uttar Khand.

Jim Corbett National Park – first national park in India (1936)

Forest Survey of India founded in 1981

HQ – Dehradun

❖ **Garba Dance:**

Gujarat traditional dance

Traditionally, it is performed during the nine-day Indian festival Navaratri.

❖ **Jammu & Kashmir Tribals:**

The **Paharis, Gujjars, Bakerwals** are non-kashmiri speaking population of J&K.

Pahari community, a linguistic group mainly residing in Pir Panchal Valley. They demand to be included in ST list.

Paharis comprise both Muslims and Hindus

Gujjars and Bakerwals are Nomadic clan.

❖ **K. Chandrasekar Rao launched new Party:**

Telangana Rashtra Samithi has been renamed as Bharat Rashtra Samithi

K. Chandrasekar Rao – Telangana CM

❖ **Jammu and Kashmir Delimitation:**

After abrogation of **Article 370**, delimitation commission constitute arrange constituency for Jammu and Kashmir UT.

Number of assembly seats increases from 107 to 114.

Delimitation commission:

Main task of the commission is redrawing the boundaries of the various assembly and Lok Sabha constituencies based on a recent census.

❖ **Rajasthan International Folk Festival – Jodhpur:**

Celebrates India's musical heritage in a genre-independence way

❖ **SALT project:**

Launched by **Andhra Pradesh**

World Bank extended \$250 million loan to 'Supporting Andhra's Learning Transformation' project.

❖ **Train connecting Tripura and Manipur:**

Passenger train connecting Tripura and Manipur for the first time
President inaugurates the first train between Nagaland and Meghalaya.

❖ **Election in Himachal Pradesh:**

Election Commission of India announced that Himachal assembly election would be held on November 12.

Total seats – 68

Current CM – Jai Ram Thakur

Chief Election Commission – Rajiv Kumar

❖ **Andhra Kashmir – Lambasingi:**

Lambasingi, a village atop the eastern ghats in Alluri Sitarama Raju district in Andhra Pradesh.

❖ **Karnataka promulgate ordinance for increasing reservation for SC/STs:**

Ordinance for increasing reservation for SCs from 15% to 17% and for STs from 3% to 7%.

Recommended by committee headed by retired High Court Judge H.N.Nagmohan Dos.

Ordinance:

Governor of a state can issues ordinances under **Article 213** of the Constitution.

when the state legislative assembly (or either of the two Houses in states with bicameral legislatures) is not in session.

❖ **Lok Adalats:**

Over 450 prisoners have walked free in Chhatisgarh after Lok Adalats – a first kind of initiative in the country.

❖ **Punjab restores Old Pension Schemes:**

The OPS for government employees was discontinued in the year 2004 and ever since employees were under the NPS.

❖ **Corbett National Park:**

NGT direct the union government to form panel to probe illegal felling of trees in Corbet national Park in Uttarkhand.

National Green Tribunal:

Established in 2010 under NGT act 2010

Creation of a special tribunal to handle the expeditious disposal of the cases pertaining to environmental issues.

❖ **Khangkhui cave:**

Natural limestone cave located in **Manipur**.

❖ **Hatti community:**

Centre to bring the Hatti Community under Schedule Tribe list from **Himachal Pradesh**.

Census 2011, 5.71% of the state's population is ST, 25.19% of the population is classified as SC.

Himachal Pradesh CM – Jai Ram Thakur

❖ **Morbi bridge collapse:**

130 killed due to suspension bridge collapse in **Gujarat**:

Suspension bridge collapse over **Machchu river** in Gujarat.

Machchu river originate in Madla hills.

INDIA

➤ **‘Your Platform’ Magazine:**

Launched by Southern Railway

An in-train magazine, that will be distributed free to passengers in all premium trains.

➤ **AFSPA extended in Nagaland and Arunachal:**

Declared ‘disturbed area’ under section 3 of **AFSPA act, 1958** for a period of 6 months.

Armed Forces Special Powers Act, 1958.

➤ **Revamp of National Informatics Centre (NIC):**

Established in 1976

Objective – to provide technology-driven solutions to the central and state governments.

NIC – it is technology arm – to help the organisation keep pace with growing need for digital technology in the country.

➤ **Vande Bharat Express 2.0:**

From Gandhi Nagar in Gujarat to Mumbai in Maharashtra.

This is third Vande Bharat Express

Vande Bharat express:

Designed and manufactured by ICF, Chennai.

First train – New delhi – Varanasi

Second train – New delhi – Karta

❖ **Religion Tourism in J&K:**

Union territory administration is offering special packages for the ongoing Navaratri festival.

43% of tourists to the Jammu and Kashmir are pilgrims to two Hindu shrines – Vaishno Devi in Jammu and Amarnath in Kashmir.

Jammu and Kashmir:

Lieutenant Governor – Manoj Sinha

Capital – Sri Nagar (may-oct) and Jammu (Nov-April)

❖ **153rd Birth anniversary of Gandhi:**

‘Global Collections of Mahatma Gandhi through Bank Notes, Coins and Stamps’

Published by Mintage World, the world’s first online museum on vintage and new coins, stamps and notes.

➤ **Cardiologist body to start education drive on resuscitation skills:**

Due to Sharp increases in sudden increase in sudden cardiac deaths in India.

Launch a mega educational drive in basic **Cardio Pulmonary Resuscitation (CPR)** skills.

Patients collapsing from SCD give us two-and-half minutes to be revived.

According to WHO, Cardio vascular disease – leading cause of deaths globally. 17.9mn people died of CVDs in 2019, representing 32% of all global deaths.

❖ **National Means-cum-Merit Scholarship-2023:**

Awarded to meritorious students of economically weaker section from class 9 every year.

Awarded by Union Ministry of Education

One lakh fresh scholarship awarded

Amount of scholarship Rs 12000 per annum.

❖ **All India Radio – voter awareness campaign:**

Election Commission of India launched a year-long voter awareness campaign

Episodes cover voter registration, ethical voting, model code of conduct, EVMs and other election related topics.

❖ **Restoring land degradation and desertification:**

Govt planning to **convergence between the MGNREGA and Pradhan Mantri Krishi Sinchayee Yojana.**

According to ‘Desertification and Land Degradation Atlas 2021’ published by environment ministry – At least 30% of India’s total geographical area is under the category of ‘degraded land’

UNCCD (COP 14) target:

India made target of restoration of degraded land from 21mn hectares to 26mn hectares by 2030.

A convergence with MGNREGA could help take up treatment of about 30% more land than feasible with current scheme.

❖ **Thermal Power Plant comply with Biomass co-firing:**

In oct 2021, Power ministry targeted all coal plants ensured 5% of coal mixed with biomass compliance by Oct 2022.

Biomass pellets have the same calorific value as coal and mixing them with coal saves consumption as well as cuts emission.

❖ QCI – 25th anniversary:

Quality Council of India celebrate 25th year anniversary

An independent autonomous body that worked towards assuring quality standards across all spheres of economic and social activities.

The Council is independent and works under the directions of its Governing Body (GB) having equal representation of government, industry and industry associations.

Formed in 1997

Chairman - Adil Zainulbhai

❖ India's first 4.2MW wind turbine generator:

This is the single unit with largest wind power generation capacity has been installed at **Vadalivilai near Tirunelveli.**

Set up by Brazil-based WEG.

Project cost 88Cr

❖ PM opens Bilaspur AIIMS:

Inauguration of All India Institute of Medical Sciences in Bilaspur in Himachal Pradesh.

❖ Justice Dinesh Sharma panel:

Appointed as the presiding officer of the tribunal for the Unlawful Activities (prevention) Act (UAPA) related to **ban on PFI** and its associates.

Once an organisation banned under the provision of UAPA, a tribunal is setup by the government to adjudicate whether there are sufficient grounds for the decision.

❖ WHO ban on india's 4 cough syrups:

Exported to Gambia

The Maiden Pharmaceuticals ltd make that 4 cough syrups.

That 4 cough syrups caused death of children in the Gambia.

CDSCO – Central Drugs Standard Control Organization

❖ K.G. Balakishnan Panel:

Panel to **study SC status of Dalits post conversion other than buddhism and sikhism**

Three members commission headed by former CJI K.G. Balakishnan

Seeking inclusion of Dalit Christian and Dalit muslim and the removal of the religion criteria for inclusion as SCs.

Currently, the constitution (Scheduled Castes) order 1950 provides for only those belonging to Hindu, Sikh and Buddhist communities to be considered as SCs.

2 Members – Sushma Yadav and Ravinder Kumar Jain.

Given 2 years dead-line to submit report on this issue.

❖ **Uttarkashi avalanche:**

Nehru Institute of Mountaineering at Draupadi ka Danda Mountain peak.

❖ **Petition on audio VVPAT slips for blind voters sets off debate:**

Suggested that Image Text To Speech (ITTS) conversion software be added to EVM and VVPAT units used for elections.

EVM – Electronic Voting Machine

VVPAT – Voter Verifiable Paper Audit Trail

❖ **MGNREGA attendance App:**

Making it Mandatory to be record of MGNREGA workers through a govt application.

National Mobile Monitoring System (NMMS)

This app only used in 8 states

❖ **Campaign against Drugs:**

Ministry of Home Affairs lauded the Enforcement Agencies for destroying more than 1.5 lakh kg of drugs during Azadi Ka Amrit Mahotsav phase, which is more than the target of 75000 kg.

❖ **Country's first 24*7 solar powered village:**

Modhera village in Gujarat

The sun temple in modhera built during the Solanki Empire in Gujarat

The temple attacked and invaded twice by Muhmad of Ghazni and Alauddin Khilji.

❖ **24*7 Tele Mental health service:**

Tele-Mental health Assistance and Networking across State (MANAS) is an initiative of Union health ministry and Help line number 14416.

❖ **More schemes in ‘Beti Bachao Beti Padhao’:**

To include skilling of girls in non-traditional livelihood option, increasing their enrolment in secondary education, raising awareness of menstrual hygiene and promulgating elimination of child marriages.

❖ **Jal Jeevan Mission:**

TN is the only state achieve the JJM target.

Achieved the target for the first and second quarter of 2022 for JJM with 69.57 lakh households of the 1.25 crore households in the state in the state having been provided tap connection till date.

JJM, which aims at providing potable water supply to every rural household by 2024.

Tamil Nadu (55.63%) is higher than the national average (53.96%)

❖ **Dugong:**

India's first **Dugong Conservation Reserve in the Palk Bay**

Dugong – Largest herbivorous marine mammals in the world.

It thrives primarily on seagrass beds.

Only 240 animals left in the country

Also present in Gulf of Kutch and A&N islands.

Protected under schedule 1 – wildlife protection Act 1972.

❖ **Snow leopard:**

Snow leopard referred as ‘**mountain ghost**’

Survey conducted in Namdapha National Park and Tiger Reserve in Arunachal Pradesh.

❖ **Livestock sector:**

Accounting 5% of National Income and 28% of agricultural GDP

It grew at rate of 7.9%, while crop farming grew at rate of 2%.

Women workers in rural areas (72%) are engaged in agricultural activities.

5.4 million women members in dairy co-operatives in 2020-21

Govt measures:

National Livestock Policy 2013

National Livestock Mission 2014-15

❖ **6 Varieties of Neelakurinji identified in Western Ghats:**

On the Kallipara hills at santhanpara region in kerala

Neelakurinji species are endemic to the Western ghats

Eravikulam National Park, the biggest sanctuary of neelakurinji flowers.

❖ **Translocation of Indian Gaurs to Sri Lanka:**

India considering Sri Lanka's proposal to translocate gaurs
Gaurs have been extinct in the island since end of 17th century
Sri Lankan '**Rohan Pethiyagoda**', who was awarded the
"**Linnean Medal 2022**" (UK based equivalent of the Nobel prize for zoology) for his work on restoring fresh water and forest biodiversity.

❖ **Distribution of Medical Colleges:**

TN and UP have highest number of medical colleges in the country with 11.4% and 10.9% respectively
Average annual growth rate of medical colleges in india from 2011-12 to 2021-22 stands at 5.9%
Top 5 states with more UG medical colleges:
TN, UP, Karnataka, Maharashtra
Top 5 countries with Indian origin doctors
US, UK, Australia, Canada, and Germany.
Government medical colleges – 321, Private medical colleges – 291

❖ **MBBS courses in Hindi:**

Launched in **Madya Pradesh**
Union Home Minister launched MBBS textbooks in Hindi, making Madya Pradesh the first state in the country to offer medical education in the language.

❖ **First indigenous Aluminium goods train rake:**

Flagged off **from Bhubaneshwar**
Made in collaboration of Besco Limited Wagon Division and Hindalco.
Benefits – save carbon emissions, consume less energy, corrosion resistant and more carrying capacity.

❖ **Swachh Bharat Abhiyaan 2.0:**

Public dashboard to track progress of remediation of legacy landfills.
Dashboard on the progress at 2200 such sites.

SBM 2.0:

Launched in **October 1, 2021**
Aims to making all cities "**garbage free**" by the end of its five years period.
One of the targets remediation of all legacy landfills in the country.

❖ **India's coal mine severely underutilised:**

Studied by Global Energy Monitor

India experienced supply crunch twice last year.

Only 2/3rd of the current capacity is under -use.

Coal India – the largest coal producer in the world.

❖ **Principles of CAA can apply to Sri Lankan Hindu Tamils – Madras HC:**

Principles of the recent amendment to the Citizenship Amendment Act was equally applicable to them.

Judges said though the centre would take a call on the matter.

Citizenship Amendment Act, 2019:

Provides Indian citizenship for persecuted religious minorities from Afghanistan, Bangladesh and Pakistan who are Hindus, Sikhs, Buddhists, Jains, Parsis or Christians, and arrived in India before the end of December 2014.

❖ **Central Organisation for Modernisation of Workshops (COFMOW):**

Ministry of Railway announces the closure of COFMOW, New Delhi.

Founded in 1979

To modernise the workshops of Indian Railways.

❖ **PM inaugurates 'One Nation One Fertilizer' scheme:**

Inaugurated 600 **Kisan Samridhi Kendras** and **One Nation One Fertilizer scheme** to modernise agriculture.

KSK- Helping centres for farmers.

2023 – International Year of Millets

Also released of 12th instalment of **PM Kisan Samman Nidhi**, under this scheme Rs 16,000 crore will be credited into bank accounts of 8.5cr farmers.

❖ **ISA approves funding mechanism:**

A payment guarantee mechanism expected to stimulate investments into solar projects through two financial components

1. Solar Payment Guarantee Fund

2. Solar Insurance Fund

ISA mission is to unlock \$1 trillion of investment in solar power by 2030 while reducing the cost of the technology and its financing.

International Solar Alliance:

Founded in 2015 at Paris, France in UNFCCC COP 21.

HQ – Gurugram

❖ Centre increases MSP for Rabi crops:

Cabinet Committee on Economic Affairs announces Minimum Support Price for 6 rabi crops.

Minimum Support Price:

An advisory price signal that is part of a larger set of agricultural policies in parts of India.

Aims to safeguard the farmer to a minimum profit for the harvest while at the same time increasing food security in the country.

❖ Giraffes brought to India by British may belong to endangered species:

Captive population of 29 northern giraffes across the country, Largest captive herd in India at Alipore Zoological Garden in Kolkata.

Nubian Giraffes – Critically Endangered by IUCN and Rothschild Giraffes – Endangered by IUCN

❖ Swadesh Darshan 2:

Centre to promote destination in 15 states as part of Swadesh Darshan 2 scheme.

Promoted as part of new domestic tourism policy which moves away from theme-based tourist circuits and focused on reviving up destination-based tourism.

Swadesh Darshan scheme:

launched in 2014-15 for integrated development of theme-based tourist circuits.

100% centrally funded

Contribution of tourism to the employment in 2019-20 is 15.34%

❖ Kashi-Tamil Sangamam:

Centre launches programme to strengthen Kashi-TN bond
Programme will be held under 'Ek Bharat Shreshtha Bharat' initiative

Programme to strengthen and rekindle the cultural and civilisational bond between Tamil Nadu and Varanasi named the 'Kashi-Tamil Sangamam'.

Ek Bharat Shreshtha Bharat programme:

Launched by Minister of Education

Aims to enhance interaction & promote mutual understanding between people of different states/UTs through the concept of state/UT pairing.

❖ **Mission LiFE scheme:**

Mission Lifestyle for Environment

Launched by PM Modi, in the presence of UN Secretary General Antonio Guterres.

An initiative for sustainable and healthy lifestyle at the statue of unity in Gujarat

To fight against climate change democratic with the contribution of everyone in own capacity.

❖ **Great Indian Bustard:**

Great Indian Bustard migrated into Pakistan's Cholistan desert

GIBs:

Critically Endangered bird under IUCN

Its population of about 150 in Rajasthan accounts of 95% of its total world bird.

Mostly in India's 'Desert National Park'

❖ **Rozgar Mela:**

PM Modi launched Rozgar mela (recruitment drive) for 10 lakh union government jobs.

These vacancies filled mission mode by 2023

❖ **South West Monsoon:**

SW Monsoon withdrew from the entire country a week late said by IMD.

India witnessed normal monsoon for fourth consecutive year with 925mm rainfall.

❖ **Cyclone Sitrang:**

Deep depression over Bay of Bengal

Severe cyclonic storm will cross Bangladesh coast

Named by Thailand

Wind speed reaching 90kmph to 100kmph

❖ **5 new varieties of Basmati rice:**

Developed by group of scientists led by Ashok Kumar Singh, Director, IARI.

These seeds are resistant to herbicide and helping farmers to control weeds more efficiently.

Reduce the use of pesticides and water.

Basmati rice:

India is known for its basmati rice, with the produce from seven states.
Got Geographical Indication

❖ **State Home Ministers Conference**

Held in Faridabad, Haryana.

Conference was an endeavour to provide a national perspective to policy formulation on internal security related matters.

It will bring more synergy in planning and coordination between various stakeholders at centres and states.

Home Minister Amit Shah calls for centralisation of data on terror and other crimes and following the principle of “One Data, One Entry”

Each state to have a National Investigation Agency office by 2024.

Home Minister said should have uniform policy on law and order.

❖ **Gangetic Dolphin:**

National Aquatic Animal

Dolphins return to ganga in UP

Due to improvement in the quality of river water made possible by the Namami Gange Programme

Programme started in 2014

UP dolphin population – 600

❖ **Chhath Puja:**

Prayers during Chhath puja are dedicated to the solar deity, Surya, to show gratitude and thankfulness for bestowing the bounties of life on earth and to request that certain wishes be granted.

Indian states of Bihar, Uttar Pradesh, West Bengal, Jharkhand, and the Nepalese provinces of Madhesh and Lumbini.

❖ **Hindi version of MBBS books:**

Home Minister Amit Shah launch Hindi version of first year MBBS books

Madhya Pradesh, first state to provide medical education in hindi.

INDIA AND WORLD

➤ **India – Nepal:**

‘Agreement to stop misuse of territories’

Mechanism to prevent the illegal entry of third nation citizens through the open border.

Delegation led by S.L.Thaosen DG of Sashastra Seema Bal (SSB)

Nepal: Capital – Kathmandu

Prime minister – sher bahadur deuba

❖ **India abstains on UNSC resolution condemning Russia’s referendum:**

UNSC resolution, sponsored by the US and Albania

Resolution condemns the referenda organised by Russia across four regions of Ukraine.

Russia **annexed Donetsk, Kherson, Lushansk, and Zaporizhzhria** regions of Ukraine.

Other abstaining countries – China, Brazil, Gabon

❖ **India abstains on Sri Lanka vote at UNHRC:**

Resolution titled ‘Promoting reconciliation, accountability and human rights in Sri Lanka’

Resolution called upon Sri Lankan government to ensure impartial investigation.

❖ **India abstained on voting on issue of Uighurs of Xinjiang in UNHRC:**

Uighurs is Muslim minority community in China living in Xinjiang autonomous region

China: Capital – Beijing

President – Xi Jinping

❖ **India – UK Free Trade Agreement:**

UK concern over immigration.

Unlikely to end on October

UK: Capital – London

PM – Rishi Sunak.

❖ **World Bank – president comments on India:**

World Bank – president **David Malpass**

Debt sustainability, education and climate action are three areas potential for India can lead G20

India's involvement in restructuring debts in Sri Lanka

Major creditor to African nations

❖ **UN - India Peacekeeping forces:**

Fatalities among peacekeeping forces rising

Lost 179 peacekeeper in over the past 60 years

India has taken part in 49 Peacekeeping missions with a total contribution exceeding 200,000 troops.

India is the third largest troop contributor country with 7,860 personnel

❖ **India – Egypt:**

External Affairs minister two days visit to Egypt

India included Egypt in the 'Guest Country' list for the G-20 summit of 2023.

Plan to deepen cooperation in defence, green hydrogen, ammonia and education sectors.

❖ **India – China:**

Military talks to resolve LAC issues.

25th meeting of **Working Mechanism for Consultation & Coordination on India-China Border Affairs (WMCC).**

❖ **60th Anniversary of Indo-China war:**

It began with a Chinese attack on October 20, 1962

❖ **India – china Trade:**

India's exports to china growing faster than inbound shipments

\$72 bn in 2014-15 → \$115.4bn in 2021-22

Trade grown 59% between two countries

India's Export - \$21.25 bn and Import - \$94.16 bn

❖ **India US Trade Policy Forum:**

Scheduled to be held in November in New Delhi

12th forum to finalise issues for discussion like visa issues, GSP issues, preferential market access program, etc.

❖ **Japan seeks GI tag for Nihonshu:**

Nihonshu, an alcoholic beverage

It is special and valuable beverage made from fermenting rice

Geographical Indication:

A GI is a label that is applied to products that have a specific geographical origin and have characteristics that are related to that particular location.

Geographical Indication Registry – Chennai.

❖ **India – Russia:**

Both nation Defence Ministers meet at New Delhi

Discussed bilateral defence cooperation as well as the deteriorating situation in Ukraine.

❖ **India is a major exporter of vaccines:**

USA said, acknowledging the crucial role the country played in supplying vaccines against COVID-19 across the globe.

WORLD

❖ **UAEs new policy on immigration:**

NRIs benefit from this policy.

Keralites who constitute the largest share of the gulf diaspora.

UAE – United Arabs Emirates:

25% of UAEs population are Indians.

Capital – Abu Dhabi

Currency – UAE dirham

❖ **Indonesia Football Stadium Stampede:**

One of the world's worst stadium disasters (At least 125 people died)

At **Kanjuruhan Stadium** in east java.

Indonesia:

Capital – Jakarta

❖ **OPEC+ agrees to a deep cut in petroleum production:**

US oppose move and wants lower prices

OPEC+:

The non-OPEC countries which export crude oil are termed as OPEC plus countries.

OPEC plus countries include Azerbaijan, Bahrain, Brunei, Kazakhstan, Malaysia, Mexico, Oman, Russia, South Sudan and Sudan.

❖ **Ibrahim Traore – World's youngest leader:**

34 years old Army captain in **Burkina Faso**, west African country.

Capital – Ouagadougou

❖ **Thadingyut Festival:**

Lightning festival to mark the end of Buddhist Lent in Myanmar.

❖ **Sri Lanka economic crisis:**

Urban poverty triples in Sri Lanka

80% of Sri Lanka's poor live in Rural areas

It experiencing its highest poverty rate since 2009.

❖ **Saudi Arabia aid to Ukraine:**

Saudi Arabia announce \$400mn Humanitarian aid for Ukraine.

❖ **Xi Jinping:**

China's president **third five-year term**
Meeting of 20th National congress of CPC.

❖ **China blocks 2 proposals on Pakistan terrorists at UNSC:**

Proposed by India and US to designate Pakistan based terrorists on the UN Security Council 1267 list of terrorist entities.

Listing of LeT founder terrorist Hafiz Saeed's sons Talha Saeed and Shahis's mehmood.

This group behind the 26/11 attacks and other terrorist attacks in India.

India will host **Counter-Terrorism Committee of the UNSC** in Mumbai.

❖ **UK PM Liz Truss resigns:**

Elected from Conservative Party.

❖ **Pakistan out of FATF grey list:**

Four years it placed on grey list and penalised with severe financial restriction by FATF.

FATF:

An international watchdog on terror financing and money laundering

Formed in 1989

HQ – Paris, France

Founder – G-7 countries

❖ **Rishi Sunak:**

Britain's **first non-white Prime Minister**

Mr. Sunak is of Indian descent and was born to parents who migrated to Britain from east Africa.

❖ **Elon Musk:**

Elon Musk became the Twitter Inc's owner

❖ **Israel – Lebanon signs maritime border deal:**

US brokered maritime border deal

Israel

Prime Minister – Yair Lapid

Capital – Jerusalem

Lebanon

President – Michel Aoun



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❖ Halloween Festival Stampede:

120 people died after Halloween crowd surge in Seoul.

South Korea: Capital – Seoul

President – Yoon Suk Yeol



ECONOMY

➤ **RBI's Monetary Policy Committee:**

Reserve Bank of India **raised the repo rate by 50 basis points to 5.9%.**

Reasons:

Persistence high inflation

Rupee pressure

Consequences:

Borrowing cost for banking institutions rises as well, which passed on to account holders.

Monetary Policy Committee:

MPC responsible for fixing the benchmark interest rate in India.

Held at least 4 times per year.

RBI Governor – Shaktikanta Das

➤ **RBI GDP forecast:**

RBI projected economic growth in **FY23 at 7%** (down from 7.2%)

Retained the retail inflation projection 6.7%.

➤ **US sanction on Indian petrochemical company:**

Due to purchases of Iran oil.

Tibalaji, first Indian entity to face the US sanction

➤ **Core sector slowed to 3.3% growth in Aug:**

Eight core infrastructure sectors slowed

Overall output levels in the eight sectors that make up 40% of the

Index of Industrial Production.

8 Core sector – natural gas, coal, refinery products, crude oil, cement, electricity, steel, and fertilizer.

❖ **September GST revenue:**

GST revenue rise 26% and This is 7th successive month that revenues from the indirect tax have remained above Rs 1.4 lakh crore.

GST is Indirect tax launched in July 2017 in india.

❖ **Unemployment rate dipped to 6.43% in September:**

Due to increase in labour participation in the rural and urban areas.

In August 8.3% of unemployment rate.

❖ **India trade deficit in September:**

Exports shrank 3.5% to \$32.62bn

Imports risen 5.4% to \$59.35bn

Trade deficit - \$26.73bn

❖ **Purchasing Manager's Index (PMI):**

Released by **S&P Global**.

India Manufacturing PMI slows 55.1 in Sep from 56.2 in Aug

❖ **WB - India's GDP growth projection:**

World Bank reduces India's GDP growth rate to **6.5% in FY2023**

Released as part of the Bank's twice yearly 'South Asia Economic

Focus – titled: Coping with shocks: Migration and the road to resilience'.

Reasons:

1. Impact of the Russian Ukraine war
2. Global monetary tightening
3. High commodity prices and interest rates

❖ **Services Purchasing Manager Index (PMI):**

Released by S&P Global India

India Services sector slows in September

Reasons:

Price Pressures, Intense competition, Unfavourable public policies,
Weak external demand.

❖ **Direct Tax Receipt:**

Gross collection of direct tax – 8.99 lakh crore, which increases of
16% same period (April - September) in previous year

Net direct tax revenues now constitutes 52.46% of the total Budget
Estimates.

❖ **IMF cut India's growth forecast 6.8%:**

Released in IMF's October 2022 World Economic Outlook:

Countering the Cost-of-Living Crisis.

Reasons – Russia-Ukraine War, high inflation, effects of pandemic.

Other's forecast:

RBI – 7.0

World Bank – 6.5%

❖ **“Employment Guarantee during COVID-19 -the role of MGNREGA in the year after the 2020 lockdown”**

Conducted by **“Centre for sustainable Employment,
Collaborative Research and Dissemination”**

MGNREGA helped people compensate between 20-80% of the income loss incurred because of the lockdown.

❖ **Whole Price Inflation (WPI):**

Inflation dropped from 12.4% in Aug to **10.7% in Sep.**

Measures the changes in the prices of goods sold and traded in bulk by wholesale businesses to other businesses.

Published by the **Office of Economic Adviser, Ministry of Commerce and Industry.**

❖ **Private sector investment Q2-FY2023:**

India's private sector investment **increased 66%** between July and September to nearly **Rs5.7 lakh crore.**

Q1 saw a dip of 20.5% of private investment.

Q2 private investment boosted by mega projects like Vedanta Rs1.54 lakh crore plans to produce semi-conductor in Gujarat.

State capex plans are higher than the Central projects.

❖ **State of Economy:**

Monthly bulletin of RBI

Q2-FY2023 forecast of GDP growth rate – 6.4%

❖ **Ruppee touches Rs 83 against dollar:**

Weakening of rupee

Reasons:

Foreign capital outflows

Interest rate increase in US

Increased imported inflations

Rising global crude oil prices

Geo political events like Russia -Ukraine war

❖ **India's Current Account Deficit:**

Fitch expects India's CAD to rise to 3.4% of GDP in 2022-23

In 2021-22 – CAD was 1.2%

Reasons:

Surge in imports due to strong domestic demand as well as high oil and coal prices.

India's forex reserve has shrunk \$110bn between Jan to Sep.

Current Foreign Reserve - \$533bn

❖ **CCI imposed penalty on google:**

Competition Commission of India imposed penalty of **Rs 936 crore** on Google 'for abusing its dominant position with respect to its Play Store policies'

In October 20, Earlier CCI imposed fine on google **Rs 1337 crore** for abusing its dominant position in multiple markets in the Android mobile device ecosystem.

❖ **Project Wave:**

Indian Bank unveils digital products

Enhance customer experience through its digital platform

❖ **Record in production of vegetables and fruits:**

342 million tonnes of fruits and vegetables in 2021-22, which increases about 8 tonnes (2.3%) over 2022-21.

Area of cultivation could increase 28.08 million hectares in 2021-22.

DEFENCE

❖ **Induction of LCH in IAF:**

Induction of indigenously built Light Compact Helicopter (LCH) for Indian Air Force (IAF)

Inducted 143 helicopter unit '**Dhanush**' at the Jodhpur Air Force Station.

Features:

Twin-engine LCH, designed and developed by **HAL**

5-8 tonne

It is only attack helicopter in the world which can land and take-off at an altitude of 5000m with considerable load of weapons and fuel.

Combat radius of 500km

❖ **AFSPA extended in Arunachal and Nagaland:**

Declared 'disturbed area' under section 3 of **AFSPA act, 1958** for a period of 6 months.

Armed Forces Special Powers Act, 1958.

Union govt likely to lift AFSPA in four states only after a Naga political solution.

Union is engaging discussion with NSCN-IM and 7 Naga National political groups to find a solution to the Naga political issue.

❖ **October 08 – Indian Air Force Day**

Air Chief Marshal – V.R. Chaudhri

IAF set to create 'Weapon System Branch' which bring all weapon systems operators of the force under one roof.

❖ **Malabar navel exercise in November:**

Japan will host Malabar exercise with **India, Australia, and USA**

India Navy also participated in International Fleet Review being hosted in November in Japan.

'Yudh Abhyas' – India and US army exercise will be held in Uttarakhand

❖ **Armed Forces Welfare Fund:**

Defence Minister launched the 'Maa Bharati Ke Sapoot' website for the **Armed Forces Battle Casualties Welfare Fund (AFBCWF)**

AFBCWF is a tri-service fund which is utilised for grant of immediate financial assistance of ex-gratia, to the next kin and dependents of battle casualties.

❖ **INS Arihant missile test:**

Country's first ballistic missile nuclear submarine INS Arihant carried out launch of Submarine Launched Ballistic Missile (SLBM) **SSBN programme**, a key element india's nuclear deterrence capability.

INS Arihant is armed with K-15 SLBM with a range of 750km.

❖ **DefExpo 2022 in Gandhi Nagar, Gujarat:**

Two major conclaves:

India-Africa Defence Dialogue (IADD)

Indian Ocean Region Plus (IOR+) concave

Event for promote peace, security, prosperity and defence cooperation throughout region and establishing new defence and industrial partnerships.

Centre targets to achieve manufacturing turnover of \$25bn including exports of \$5bn in aerospace and defence goods and services by 2025.

Defence minister **Manthan 2022** – an event organised by Innovation for Defence Excellence-Defence Innovation Organisation (iDEX-DIO) of the MoD.

❖ **Kalashni Kov AK-203 assault rifles:**

The Indo-Russia joint venture at **Korwa in Utter Pradesh**

Rs 5000 crore contract over 6.1 lakh Ak-203 assault rifles will be manufactured in india with technology transfer from Russia.

Indo-Russia Rifles Private Limited

❖ **PM launches 'Mission DefSpace':**

To push for innovative solutions for the three services in the space domain.

Released fourth defence indigenisation list, which bars import of 101 items.

❖ **Rustom-2 UAV:**

Indigenous Medium Altitude Long Endurance (MALE) Unmanned Aerial Vehicle (UAE) developed by DRDO

Expected to complete all user trials by August 2023.

❖ **IAF and HAL – Rs 6800 crore contract:**

India Air Force and Hindustan Aeronautics Limited Contract for 70 Htt-40 indigenous Basic Trainer Aircraft

❖ **IAF – Roadmap for all 3 structures within space domains:**

3 structures – Communication, Surveillance and Positioning and Navigation.

❖ **Army 4th round of emergency procurement to be from India:**

Next 7-8 years orders worth Rs 8 lakh crore could be placed with Indian industry.

❖ **Tejas to be integrated with BrahMos-NG missile:**

India's indigenous Light Combat Aircraft (LCA), Tejas, will be able to carry and launch the BrahMos supersonic cruise missile.

❖ **Agni prime:**

India tests Medium range Ballistic Missile Agni Prime.

Developed by DRDO

Missile strike range 100km-2000km

Launched from APJ Abdul Kalam Island in Odisha

❖ **Deesa Airfield:**

Government plan to construct new Deesa Airfield in Gujarat close to western border fills a huge gap **between airbases in Gujarat and Rajasthan.**

IAF chief Air Marshal Chief – V.R.Chaudhari.

❖ **Shaurya Diwas:**

Commemorate the Indian Army's successes after the landing of soldiers in J&K on **October 27, 1947**, a day after India signed the Instrument of Accession with then J&K ruler Maharaja Hari Singh.

Defence Minister Raj Nath Singh 'Mission to end when Gilgit-Baltistan, PoK reunite with India'

❖ **C-295 transport aircraft manufacturing facility in Vadorara:**

Set up by Tata Advanced Systems Ltd and Airbus Defence and Space.

Defence ministry signed 21935 crores, procurement of 56 C-295MW aircraft.

Government have a goal of exceeding \$25 billion in defence manufacturing by 2025 and defence exports would be more than \$5 billion.

BOOKS, Reports & indexes

➤ **National Clinical Registry for COVID-19:**

Released by **Indian Council of Medical Research (ICMR).**

Mortality higher among COVID-19 patients with chronic diseases such as chronic kidney and liver disease, malignancy and tuberculosis.

Diabetes mellitus is also a significant factor.

NCRCs study aims to describe the demographic and clinical profile and ascertain the determinants of outcome among hospitalised COVID-19 adult patients in India.

❖ **Ending Stigma and Discrimination in Mental Health:**

Released by **The Lancet**

90% of people living with mental health conditions feel negatively impacted by stigma and discrimination.

❖ **Global Hunger Index:**

India ranks 107 out of 121.

India ranks below Sri Lanka, Nepal, Bangladesh, Pakistan.

Afghanistan is the only South Asian country that lags behind India.

India score – 29.1 places it in the ‘serious’ category

Jointly published by **Concern Worldwide and Welthungerhilfe.**

It was first produced in 2006.

Aim: To comprehensively measure and track hunger at the global, regional, and country levels.

Four indicators:

Undernourishment: 16.3%

Child Wasting: 19.3%

Child Stunting: 35.5%

Child Mortality: 3.3%

Top ranking countries - Belarus, Bosnia & Herzegovina, Chile.

❖ **Vision-Developed India: Opportunities and Expectations of MNCs:**

Report released by **Confederation of Indian Industry and EY**

Even as the COVID-19 pandemic and geopolitical conflict resulted in investor uncertainty, India has potential to **attract \$475 bn in FDI in 5 years.**

India FDI inflow of \$84.8 bn in FY2021-22.

❖ **Multidimensional Poverty Index 2022:**

Released by **UNDP and Oxford Human Development Index (OHDI)**

41.5 crore Indians out of multi-dimensional poverty since 2005-06
India has the largest number of poor people in the worldwide **at 28.8 crore** followed by Nigeria at 9.6 crore.

There were also 9.7 crore poor children in India in 2019-2021.

Highest number of poor in Sub-Saharan region 57.9 crore followed by South Asia 38.5 crore.

Bihar is the poorest state in 2015-16

Incidence of poverty fell from 77% in 2005-06 to 34% in 2019-21

MPI:

Indicators – Health, Education, and Standard of living.

❖ **“Constitution of India – is Not What it is” book:**

Authored by retired justice A.K. Rajan.

❖ **The lancet countdown on health and climate change: health at the mercy of fossil fuels:**

Released by The Lancet

Burning of fossil fuels killed over 3 lakhs Indians in 2020.

Indians lost 16700 crore potential labour hours due to heat exposures with Income losses equal to about 5.4% of the national GDP.

❖ **Emissions Gap Report 2022:**

Annual report published by United Nation Environmental Programme (UNEP).

UNEP found that promises since last year COP26 summit in Glasgow would only cut less than 1% off emissions by 2030.

❖ **WHO global TB report 2022:**

India's TB incidence for the year 2021 is 210 per 100000 population.

10.6 million people fell ill with Tuberculosis in 2021

1.6 million people died from TB

National TB Elimination Programme notifying over 21.4 lakh TB cases.

❖ **National Repowering policy for wind power projects 2022:**

Released by Ministry of New and Renewable Energy

Repowering refers to the process of replacing older wind turbines.

TN has potential to repower 4100MW of wind energy capacity.

❖ **Azadi@75 Swachh Survekshan 2022:**

Indore – cleanest city of India for the sixth year in a row.

Madya Pradesh - cleanest state

Tirupati - best city award in Safai Mitra Suraksha category

Haridwar in Uttarkhand -best Ganga town

Shivamogga in Karnataka – Fast mover city award

Ranking of ULBs:

1. **Indore**

2. Surat

3. Navi Mumbai

Best performing states:

1. **Madya Pradesh**

2. Chhatisgarh

3. Maharastra

❖ **Jal Jeevan Mission Survey:**

Conducted by Ministry of Water Resources

Around 62% of rural households in India have fully function tap water connections

Tamil Nadu, Himachal, Goa, and Puducherry reported more than 80% of households with fully functional connections.

Rajasthan, Manipur, Kerala and A&N islands bottom states < 40%.

Jal Jeevan Mission:

Launched in 2019

To provide safe and adequate drinking water through individual household tap connections by 2024 to all households in rural India.

It envisages supply of 55 litres water per person per day to every household

❖ **Palliative care:**

Health Ministry data analysis **released by the Health Unit of FICCI.**

Only 1-2% of the population who need palliative care have access to it in India compared to the global average of 14%.

India stands at number three in terms of cancer incidence in the world.

Financial burden of cancer treatment is highest among all diseases, making it unaffordable for over 80% of the population.

❖ **National Blindness Survey 2015-2019:**

4.8 million people are visually challenged in India with corneal blindness.

Disparity among states in facilities for eye donation

Karnataka, Tamil Nadu, Telangana, and Andhra top list of cornea collections

National Programme for Control of Blindness and Visual Impairment:

Average 40-50% of the donated eye/cornea were utilised for corneal transplantation annually.



SUMMITS

❖ **Manesar Anti-Terror 2022:**

Joint Anti-Terror Exercise within ambit of the Shanghai Cooperation Organisation (SCO) hosted by India.

JATE is an annual counter terrorist exercise held within the framework of the **SCO Regional Anti-Terror Structure**.

❖ **United Nations World Geospatial Information Congress (UNWGIC):**

Held in Hyderabad

PM Modi said Technology is a tool for inclusion not exclusion.

India Geospatial economy was expected to cross Rs 63,000 crore by 2025 at a growth rate of 12.8%.

India's scheme – SWAMITVA (Survey of Villages and Mapping with Improvised Technology in Village Areas)

❖ **Conference on Interaction and Confidence Building Measures in Asia (CICA):**

Held in Astana, Kazakhstan

India is also founder of the 27-nation peace and confidence building grouping of Asian countries.

India terms Pakistan epicentre of terrorism

❖ **CSIR Society Meeting:**

Prime Minister exhorted its members to adopt an “**one person, one lab approach**”

PM is president of CSIR, a consortium of 37 laboratories and 39 outreach centres.

CSIR - Council of Scientific and Industrial Research

Established in September **1942**

An autonomous body that has emerged as the largest research and development organisation in India.

❖ **UN counter terrorism meet in Mumbai:**

Meeting held in Mumbai

UNSC members to pay tributes at 26/11 memorials

External Affairs Minister Jai Shankar pointed out sustained efforts needed to fight terror.

❖ **90th Interpol General Assembly Meeting in New Delhi:**

It has no role in curbing state sponsored terrorism and it focused primarily on ordinary law crimes.

PM Modi called for enhanced global cooperation to defeat the threats of terrorism, corruption, drug trafficking, poaching and organised crimes.

‘Our Global Crime Trend Report’ – highlight the massive increase in online child sexual exploitation and abuses.

Interpol:

International Criminal Police Organization

President – Ahmed Naser Al Raisi

An international organization that facilitates worldwide police cooperation and crime control.

Headquartered - Lyon, France.

❖ **Conference on ‘Ancient Science’:**

ISRO and MoST is set to organise a two days conference themed ‘Akash Tatva’ (the element Akash) in Dehradun, Uttarkhand.

❖ **Election Commission International Conference:**

International Conference on “Role, framework and capacity of election management bodies” in New Delhi

Chief Election Commissioner – Rajiv Kumar

SCIENCE AND TECHNOLOGY

❖ **PM launches 5G:**

Launch of Bharati airtel 5G services in eight cities and planned to cover the entire country by March 2024.

5G:

Fifth generation technology standard for broadband cellular network

5G speed – 50Mbps – 1 Gbps

Latency – 8-12 milli seconds

❖ **India's Mars mission:**

India's Mars Orbiter Mission (MOM) – run out of propellant and its battery is drained

MOM launched onboard PSLV-C25 on Nov 5, 2013.

Spacecraft successfully inserted into orbit on Sep 24, 2014.

Mission cost – Rs 450cr

❖ **Vyommitra Humanoid robot:**

Female robot astronaut

Designed and developed by ISRO

To fly aboard unmanned test missions ahead of the 'Gaganyaan human space mission'

It is undergoing pre-flight ground tests at the ISRO Inertial System Unit (IISU).

Gaganyaan:

Demonstration of human spaceflight by sending a crew of three astronauts to the 400km LEO and bringing back safely.

Manned gaganyaan flight expected in 2024

❖ **ISRO – Chandayaan – 2.0 orbiter found sodium on the moon:**

X-ray spectrometer CLASS mapped the abundance of sodium on the moon.

Chandrayaan -1 also detected presence of sodium.

Chandrayaan-II:

Second lunar exploration mission developed by the Indian Space Research Organisation (ISRO).

Launch date 22 July 2019

Vikram Lander and Prayag Rover

❖ Space Economy:

Space economy may **touch \$13 billion by 2025.**

Report prepared by Indian Space Association

Grow at a rate of 13% per year

❖ ISRO's Next-Gen Launch Vehicle (NGLV):

Replace operational system like the polar PSLV

NGLV – cost efficient, three stage to orbit, reusable heavy-lift vehicle with a payload up to 10 tonnes to GTO orbit.

NGLV – Semi cryogenic propulsion for the booster stages which is cheaper and efficient.

❖ NASA DART mission:

NASA's **Double Asteroid Redirection Test**

Mission aimed at testing a method of planetary defence against near-Earth objects.

On Sep 27, aimed at asteroid Dimorphos, which was orbiting a larger asteroid Didymos.

❖ IIT-M and NASA:

IIT- Madras and NASA Jet Propulsion Laboratory studied microbial interaction in the International Space Station.

Help to understand the risks of space travel on the health of astronauts and devise strategies to disinfect the station.

❖ Launch Vehicle Mark (LVM) 3:

ISRO heaviest rocket, LVM 3 from Sriharikota.

LVM3 earlier called **GSLV Mark III**

Successfully put into orbit 36 satellites of the UK based OneWeb.

LVM3-M2 dedicated commercial satellite mission of New Space India Ltd

❖ GM Mustard:

Dhara Mustard Hybrid (DMH-11), genetically modified mustard.

Second GM crop after GM cotton that can be commercially cultivated in the country

Genetic Engineering Appraisal Committee to provide environmental clearance to genetically modified mustard

Dhara Mustard Hybrid (DMH-11), Developed by Professor Deepak Pental from the University of Delhi.

It reduces India's demand for edible oil imports

❖ **ISRO to boost NavIC:**

ISRO plan to afoot to give it a global reach

Increases number of satellites and add bandwidth most used for civilian navigational use and strengthen the safety of signals.

❖ **Kalanamak Rice:**

IARI has successfully tested two new dwarf varieties in Uttar Pradesh.

This dwarfness variety, to prevent lodging.

Kalanamak rice, a traditional variety of paddy with black husk and strong fragrance and considered as a gift from Lord Buddha to the people of Sravasti.

It got GI tag.

It has higher content of Zinc and Iron compare than other rice varieties.



AWARDS

❖ **NOBEL PRIZE – 2022:**

Nobel prizes are awarded to "those who, during the preceding year, have conferred the greatest benefit to humankind.

Nobel Prizes are awarded in the fields of Physics, Chemistry, Physiology or Medicine, Literature, and Peace.

❖ **Nobel Prize for Medicine:**

Svante Paabo – Swedish Scientist

For his discoveries concerning the genomes of extinct hominins and human evolution.

❖ **Nobel Prize for Physics:**

Awarded to **Alain Aspect, John Clauser, and Anton Zeilinger**

Awarded for their advances in quantum mechanics on the behaviour of subatomic particles, opening the door to work on supercomputers and encrypted communication.

❖ **Nobel Prize for Chemistry:**

Awarded to **Carolyn Bertozzi, Morten Meldal, and Barry Sharpless.**

Awarded for discovering reactions that let molecules snap together to create desired compounds and that offer insight into cell biology.

❖ **Nobel Literature prize:**

French Author **Annie Ernaux.**

Awarded for her deceptively simple novels drawing on personal experience of class and gender.

Her books – Cleaned out, A Man's place, A women story, The years.

❖ **Nobel Prize – Economy:**

Awarded to **Ben Bernanke, Douglas w. Diamond & Philip H Dybvig.**

For research on banks and financial crisis.

❖ **Nobel peace prize:**

Awarded to three human right activist/organisation from Belarus, Russia and Ukraine.

1. Ales Bialiatski – Belarusian rights activist and founder of Viasna Human Rights Centre.

2. **Memorial** – organization found in 1987, compiles information on human rights abuses and tracks the fate of political prisoners in Russia.

3. **Centre for civil rights** – founded in 2007, the Ukraine based organization has identified documented Russian war crimes against Ukrainian civilian population

Awarded for Outstanding contributions to peace: arms reduction, international cooperation, organizations contributing to peace, and human rights contributions to peace.

Location - Oslo, Norway

Presented by - the Norwegian Nobel Committee.

❖ **Swachh Survekshan Gramin, 2022 Award:**

Telangana – first state for the cleanliness of its village.

Haryana and Tamil Nadu placed second and third place respectively.

Swachh Bharat Mission Gramin (SBM-G):

Launched in 2014

Over 11 crore toilets had been built and 60 crore people given up open defecation.

Phase II launched in 2020 – to make all 6 lakh villages in India ‘Open defecation free plus’.

❖ **SASTRA Ramanujam Prize 2022:**

Awarded to ‘**Yunqing Tang**’ professor of university of California.

Instituted by the Shanmuga Arts, Science, Technology & Research Academy (SASTRA) in 2005 with a cash prize \$10000.

❖ **SJFI Medal:**

Badminton legend **Prakash Padukone** was awarded the Sports Journalists Federation of India (SJFI) medal for 2019.

❖ **Booker Prize – 2022:**

Sri Lankan author **Shehan Karunatilaka**

For his second novel ‘**The Seven Moons of Maali Almeida**’

❖ **Gandhi Sadbhawna Award:**

Awarded by Rajasthan state



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Awarded to 5 Gandhian thinkers – dignitaries who have done commendable services to the society following Mahatma Gandhi's ideologies were honoured.

❖ **World Green City Award 2022:**

Hyderabad honoured as the Grand winner of the AIPH (International Association of Horticultural Producers) World Green City Awards 2022.

❖ **National Intellectual Property Award:**

Indian Institute of Technology -Madras won the award for 2021 and 2022 and Presented by DPIIT

❖ **PMAY-U awards 2021:**

Uttar Pradesh got first position followed by Madhya Pradesh and TamilNadu.

Given by Ministry of housing and urban affairs

Pradhan Mantri Awas Yojana – urban:

To provide affordable housing for all
Launched in 25 June 2015

❖ **Rajyotsava Award:**

Announced by **Karnataka government** for 67 achievers.

Presented to former ISRO chairman K. Sivan, writer A. R. Mitra etc

PERSONALITIES

❖ **Tulsi Tanti died:**

Founder of Suzlon Energy.

Popularly known as '**India's Wind Man**'

Suzlon energy – country's largest wind energy player.

❖ **Mulayam Singh Passed away:**

Founder of Samajwadi Party

3 times CM of Uttar Pradesh

❖ **Subbu Arumugam died:**

Kavignar Subbu Arumugam, who popularised '**Villupattu**', a folk art of the southern Tamil Nadu.

He got Padma Shree award, Sangeet Natak Akademi Award, Kalaimamani Award.

Villupattu found in Mukkudarpallu, Viralividu Thoothu.

❖ **Deepak Nayyar:**

Appointed as **Kluge Chair** in Countries and Cultures of the South by Washington-based Library of Congress.

❖ **Justice Chandrachud:**

Appointed as **50th Chief Justice of India (CJI)**

He will demit office on November 2024.

49th CJI – U U Lalit

❖ **Ulf Kristersson:**

Sweden new Prime Minister

Sweden Capital – Stockholm

❖ **Abdul Latif Rashid:**

Iraq's newly elected President.

❖ **Roger Binny:**

Appointed as Board of Control for Cricket in India (BCCI) president

BCCI:

Governing body for cricket in India.

Founded in 1928 and HQ – Mumbai



NATRAJ INSTITUTE OF TNPSC

(A Specialised Institute with shortcut Ideas)

❖ **Shiv Nadar:**

“India’s Most Generous” according to Edelgive Hurun India Philanthropy List 2022.

His donation Rs 1161 crore

Wipro’s Azim Premji claimed second position.



SPORTS

❖ Thai Moto GP:

Held in Buriram, Thailand.

Italian **rookie Marco Bezzecchi** clinched his first MotoGP pole position

❖ Singapore GP:

Singapore Grand Prix is a motor racing event which forms part of the Formula One World Championship.

Sergio Perez (Mexico) won the race.

❖ Max Verstappen:

Won title of Formula One World title of Japanese Grand Prix

2nd - Charles Leclerc

❖ Israeli Trophy:

Novak Djokovic claimed the title

Held in Tel Aviv, Israel.

3rd title of 2022 after victories in Rome, Wimbledon.

❖ Asian Weightlifting Championship:

Held in Manama, Bahrain.

India's Harshada Guard won bronze in the women 45kg event.

❖ World Championship in Air Rifle/Pistol:

Held in Cairo, Egypt.

Udhayveer Sidhu and Esha Singh won three gold medals in junior pistol events.

India's men air rifle team won gold – **Arjun Babuta, Kiran Jadhav, Rudranksh Patil.**

Silver for Indian sports pistol women's team – **Manu Bhaker, Abhisnya Patil, Rhythm Sangwan.**

Rudranksh Patil, world championship in air rifle, who shot a world record and lay a strong foundation for Olympic quota for Paris 2024.

Ramita Jindal got gold in junior's women air rifle

❖ Women Asia Cup 2022:

Host country - Bangladesh

Player of the series – **Deepti**

India defeated Sri Lanka in final and India's 7th victory out of 8 matches in Asia cup

❖ **Rosy Meena Paulraj:**

Broke the women's pole vault National Record for the second time in National Games 2022.

Tamil Nadu Player.

❖ **2022 ICC Men's T20 World Cup:**

Eighth ICC Men's T20 World Cup tournament.

Host country – Australia.

Participants – **12 countries** – Afghanistan, Australia, England, Ireland, New Zealand, Sri Lanka, Bangladesh, India, Netherlands, Pakistan, South Africa, Zimbabwe.

❖ **61st National Open Athletics Championship:**

Jyothi Yarraji became the first Indian to go under 13 seconds in the **women's 100m hurdles** by breezing past the finish line 12.82 seconds.

Held in Bengaluru, Karnataka.

❖ **Karman Kaur Thandi:**

Country No.1 Tennis player

She won ITF women tournament in Saguenay, Canada.

❖ **2022 – Sultan of Johor Cup:**

Held in Johor Bahru in Malaysia.

International under-21 men's **field hockey** tournament.

India won the cup victory over Australia.

❖ **BCCI takes first step towards Gender Equality:**

Board raises the match-fees of women international players on par with that of male counterparts

BCCI – Board of Control for Cricket in India

Founded in 1928

HQ – Mumbai

President – Roger Binny.

❖ **FIFA U-17 Women's World Cup:**

Host country – India

Spain were the defending champions, having won their first title in 2018. They managed to retain the title.

Champions Spain

Runners-up Colombia

Third place Nigeria

Fourth place Germany

Mascot – Ibha

Slogan – Kick off the Dream

❖ **Sankar Muthuswamy:**

Won title of BWF World Junior Badminton Championships held in Spain

❖ **French Open Super 750:**

Badminton tournament held in Paris, France

Sathwiksairaj Rankireddy and Chring Shetty Won the title of men's doubles

❖ **Chennai set to host Squash World Cup in 2023:**

World Squash Federation President Zena Wooldridge announced.

❖ **National Games 2022:**

Closing ceremony held in Surat.

Next National Games will be held in Goa in Oct 2023.

Services won the Raja Bhalendra Singh Cricket Cup

Medals Table:

1. **Services – 128 medals (gold-61)**
2. Maharashtra – 140 medals (gold-39)
3. Haryana – 116 medals (gold-38)
4. Karnataka – 88 medals
5. Tamil Nadu – 74 medals

DAYS

➤ **October 1:**

International Day of Older Persons in 2022:

Theme - "Resilience of Older Persons in a Changing World."

World Postcard Day

❖ **October 2 - International Day of Non-Violence 2022:**

Theme - "Say No to Violence"

❖ **October 4 – World Animal Day:**

Theme - "shared planet"

❖ **October 4-10: world space week:**

An international celebration of science and technology, and their contribution to the betterment of the human condition"

❖ **October 08 – Indian Air Force Day**

Officially established on 8 October 1932

Theme – "IAF: Transforming for the Future".

❖ **October 09:**

World post day:

Theme – 'Post for Planet'

Indian Foreign Service Day

Formed in Oct 9 1946

Current foreign secretary - Vinay Mohan Kwatra, IFS

❖ **October 10 - World Mental Health Day:**

Theme - "Making Mental Health & Well-Being for All a Global Priority".

❖ **October 11 - International Day of the Girl Child:**

Theme - "Our time is now—our rights, our future."

❖ **October 12:**

World Arthritis Day:

Theme - "It's in your hands, take action".

World Sloth Bear Day:

First world sloth bear day

‘Vulnerable’ on the IUCN Red list

Endemic to Indian subcontinent and 90% of the population is found in India.

❖ **October 14 – World Egg Day**

Theme – “Egg for a better life”

❖ **October 15:**

International Day of Rural Women:

Theme - "Rural Women, key for a world free from hunger and poverty."

National Women Farmer’s Day or Rashtriya Mahila Kisan Diwas’ in India.

❖ **October 16 – World Food Day:**

Theme – “Leave No One Behind”

❖ **October 17 - International Day for the Eradication of Poverty**

Theme - "Dignity For All in Practice: The commitments we make together for social justice, peace, and the planet".

❖ **October 20:**

World Osteoporosis Day

Theme - "Step Up for Bone Health",

World Statistics Day

Theme – “Connecting the world with data we can trust”

❖ **October 21 - Indian Police Commemoration Day**

❖ **October 23 – World Snow Leopard Day:**

Estimate that there are between 400 to 700 snow leopards in India.

Vulnerable on the IUCN-World Conservation Union’s Red List of the Threatened Species

Listed as Schedule I species as per Wildlife (Protection) Act, 1972.

❖ **October 24 – United Nations Day**

UN 77th year anniversary and it formed in 1945.

❖ **October 25 – World Pasta Day**

❖ **October 31 – National Unity Day**

Rashtriya Ekta Diwas

Commemorate the birth anniversary of India's first Home Minister,
Sardar Vallabhbhai Patel.

❖ **National Vigilance Awareness Week:**

October 31 – November 6

Observed every year during the week in which the birthday of
Sardar Vallabhbhai Patel (31st October) falls in.

Theme – “Corruption free India for a developed nation”

