

ARUL IAS ACADEMY

TNPSC CURRENT AFFAIRS - ENGLISH AUGUST-2021





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1. TAMIL NADU NEWS

Activities which held up in Tamil Nadu during August 2021

Tamil Nadu legislature turns 100



- The Assembly chambers at Fort St. George witnessed a historic event when President Ram Nath Kovind inaugurated the centenary celebrations of the State legislature.
- Mr. Ram Nath Kovind also unveiled the portrait of five-time Chief Minister M. Karunanidhi.
- This is the first time in four decades that a portrait of an eminent figure of the State is getting unveiled by the President.

Recognition of Anaimalai and Mudumalai archives as world class tiger archives



- The Anaimalai and Nilgiri Mudumalai LTTE archives in Coimbatore district have been recognized as world class tiger reserves and certified by the National Tiger Conservation Commission.
- There are 50 LTTE archives in 20 states in India. Among them, the National Tiger Conservation Authority conducted a study in 2020 to establish global LTTE protection standards.
- It calculated the environment, forest and climate change, LTTE protection management, security and civilian involvement.
- 28 LTTE archives in 20 LTTE-inhabited states were selected and evaluated by a panel set up by the National Tiger Conservation Commission. Of these, 14 LTTE archives have been approved to ensure LTTE protection standards.

Tamil Nadu to provide 7.5% reservation for government school students in all professional courses



- The Tamil Nadu government has decided to introduce 7.5% horizontal reservation for students of government schools in admissions to professional courses from the coming academic year.
- The courses will include engineering, agriculture, veterinary and fisheries courses.
- A similar reservation policy is already being implemented in medical admissions since the 2020-21 academic year.

TN CM launches Makkalai Thedi Maruthuvam scheme

- Tamil Nadu Chief Minister MK Stalin, on 5-8-2021, launched the DMK government's flagship scheme, 'Makkalai Thedi Maruthuvam', which is aimed to take healthcare to the doorsteps of the people, at Samanapalli village in Krishnagiri district. The scheme was DMK's major promise to the people of the state during the run-up to the Assembly elections.
- Makkalai Thedi Maruthuvam, the DMK government's programme to deliver essential healthcare at the doorstep of the people was launched by Chief Minister M.K.Stalin in Samanapalli village in Krishnagiri on Thursday.
- The scheme will change the mode of preliminary healthcare delivery and will ring in an era where essential medical services are well within the access of the poor, by delivery at their own homes, said Mr. Stalin. He simultaneously declared the Scheme open for seven other districts in the State, in the presence of Health Minister Ma. Subramanian.
- The scheme was simultaneously launched in Thanjavur, Tiruchi, Tirunelveli, Coimbatore, Chennai, Salem and Madurai with a cumulative allocation of ₹258 crore and a targeted coverage of 30 lakh families and 1 crore population.
- About 1,264 women health workers, 50 physiotherapists and 50 nurses have been appointed to implement Makkalai Thedi Maruthuvan in the 7 districts, where it has been launched. By the end of the year, the government is hoping to extend the scheme to the entire state, after an induction of an estimated 25,000 additional health care workforce (healthcare volunteers and nurses).
- As part of the programme, a 108 ambulance for exclusive emergency response in remote tribal terrains of Bettamugilalam and its surrounding villages in Thally was also pressed into service.

Excavation begins in Porpanaikottai

- The Tamilnadu Environment Minister Siva V Meyyanathan inaugurated archaeological excavation by Tamil Nadu Open University, at Porpanaikottai, Pudukkottai.
- There are reports of a fort having stood at Porpanaikottai several years ago.
- The Archaeologists said the evidence found in the area dates back 1,800 years.
- In 2013, the archaeology students found a culvert which is 1,800 years old.

Defence Industrial Corridor nets ₹2,000 cr.

- Since its inception in January 2019, the Tamil Nadu Defence Industrial Corridor (TNDIC) has managed to bring in ₹2,116 crore in investments.
- According to the data provided by the Tamil Nadu Industrial Development Corporation Limited (TIDCO), during the launch of this corridor that comprises Chennai, Coimbatore, Tiruchi, Salem and Hosur, ₹3,123.5 crore in investments were committed by 10 companies. Of this, ₹966 crore has already been invested.
- In addition, after the launch of this corridor, several firms came forward and evinced interest in investing in this venture.
- Around 29 companies, including government organisations, have committed themselves to investing ₹8,226 crore, of which ₹1,150 crore has already been invested.

Ennore - Ramanathapuram LNG pipeline to be ready by Feb 2022



- **Around 85% of the work to lay the ₹6,000 crore pipeline has been completed, will provide gas to commercial and industrial clusters, officials at IOCL said**
- Indian Oil has said it will complete the final phase of Ennore LNG pipeline by February, 2022 which will link Ennore and Ramnad.
- The 1,444 km long LNG pipeline, which is being laid by the pipelines division of IndianOil Corporation, has completed about 85% of the work, said executive director and state head of Indian Oil, P Jayadevan.
- The pipeline would also have a separate loop line passing through Tiruvallur to Bengaluru. Along its route the LNG line would cover three states and 21 districts.

1000 year old inscription found near Pudukkottai



- A 1,000-year- inscription has been found near the Satyamangalam in Pudukkottai district.
- It has been discovered that the information that engraved the foundation stone for the irrigation canal was engraved by Tattan Tiraman a thousand years ago.
- The inscription can be traced back to the 9th century as it is found in the Paranthakan period script. From this inscription it is possible to know that the cultivation and irrigation arrangements required for it were implemented 1,000 years ago.

Four more Uzhavar Sandhais likely for Tiruchi district



- At least four more Uzhavar Sandhais are likely to be established in Tiruchi district during the current financial year. The Department of Agricultural Marketing and Agri Business is also planning to give a facelift to the seven existing Uzhavar Sandhais in the district.

₹ 5.75,70,189 Crore Debt Burden: Tamil Nadu Minister On State Economy



- Tamil Nadu Minister PTR Palanivel Thiagarajan has released a white paper highlighting the state's economic situation wherein he has said that the total debt burden of the state is ₹ 5.7 lakh crore.
- Addressing a public meeting, the state's finance minister while releasing the 130-page long white paper said, "The total debt burden of the state of Tamil Nadu is nearly ₹ 5.7 lakh crore."

5 Public Sector Undertakings in Poor Financial Firm: Mandatory Restructuring

- Palanivel Thiagarajan, Minister of Finance and Human Resource Management, said that 5 public sector companies, including the Electricity Board, were operating in poor financial condition.
- The 5 largest public sector companies provide vital services to the general public. The Tamil Nadu Electricity Generating and Distribution Corporation, the Tamil Nadu Electricity Corporation, the State Transport Corporation, the Tamil Nadu Drinking Water Drainage Board, the Chennai Metropolitan Drinking Water Supply and Sewerage Board are all operating with poor finances. Because of this they are not able to get loans on their own. The deteriorating financial position of public sector companies has led to the inability of those companies to obtain loans without government guarantees.

Thanjavur Corpn, Ooty municipality best in state

Chief Minister's Awards for Best Local Bodies	
Best Corporation	Thanjavur
First prize for best municipality	Ooty
Second prize	Tiruchengode
Third prize	Chinnamanur
First prize for best municipality	Kallakudi, Trichy District
Second prize	Melpattambakkam, Cuddalore District
Third prize	Kottaiyur, Sivagangai District



- Thanjavur Municipal Corporation has been selected for the Chief Minister's Award for the Best Municipal Corporation of Tamil Nadu for the year 2021.
- Ooty, Tiruchengode and Chinnamanur were selected for the first, second and third prize respectively as the best Municipalities.
- Kallakudy in Trichy, Melpattampakkam in Cuddalore, and Kottaiyur in Sivagangai were selected for the first, second and third prize respectively as the best Town panchayats.

Rajendra Chola I birth anniversary to be celebrated as govt event in Tamil Nadu



- The Tamil Nadu tourism, culture and religious endowments department announced that the birth anniversary of Rajendra Chola I will be celebrated as a government event.
- Rajendra Chola I's birth anniversary is celebrated on the Thiruvathirai star in the Tamil month of Aadi.
- The 11th century Chola emperor had relocated the capital of Cholas to Gangai Konda Cholapuram in present-day Ariyalur district where he built the Peruvudaiyar temple.
- The temple was recognised as one of the world heritages sites by the UNESCO.

e-budget - Tamil Nadu

- Finance Minister P.T.R. Palanivel Thiaga Rajan presented DMK government's first Budget after the election on August 13.
- It is the first time in the country that a state is presenting an e-budget.
- The revenue deficit for 2021-22 is expected to go up from the unrealistic interim budget estimates of ₹41,417.30 crore to ₹58,692.68 crore in the revised budget estimates.
- Mr. Rajan announced a Green Tamil Nadu Mission to increase the total areas under forest and tree cover to 33% of the land areas in the state.
- Mr. Rajan also unveiled the Tamil Nadu Climate Change Mission to focus on climate change adaptation and mitigation activities.
- The allocation for the mission is ₹500 crore.
- The State government also announced a waiver of loans to the tune of ₹2,756 crore due from self-help groups to the co-operative credit societies.
- Tamil Nadu has already borrowed ₹36,000 crore so far in 2021-22.
- Tamil Nadu is the top borrower among the States.

Eight T.N. inspectors get medal



- Eight inspectors in the State have been awarded the Union Home Minister's Medal for Excellence in Investigation for 2021.
- The list includes M. Saravanan, Crime Branch CID, Nagapattinam; A. Anbarasi, all-women police station, Thiruvannamalai district; P. Kavitha, Pudhuchatram police station, Cuddalore; R. Jayavel, Vengal police station, Tiruvallur; K. Kalaiselvi, Thiruporur circle police station, Chengalpattu; G. Manivannan, intelligence section, east zone, Greater Chennai City police; P.R. Chidambaramurugesan, Greater Chennai City police; and C. Kanmani, special branch, Nagercoil, Kanniyakumari district.
- An eligibility condition was that the officer should be clear from a vigilance point of view. No judicial proceeding/departmental enquiry should have been initiated or pending against them. The recommendee should not have been convicted in a criminal case or awarded penalty in any departmental enquiry in the last five years.
- Use of innovative methods and scientific aids, among other things, were considered for selection.

Petrol to cost ₹3 cheaper a litre in Tamil Nadu

- In revised budget, DMK govt. waives ₹2,756 crore loans due from SHGs, maternity leave for govt. employees extended to one year
- In a major announcement, Tamil Nadu's DMK government announced a cut in the effective rate of tax on petrol by ₹3 a litre, effective midnight of August 13.
- Finance Minister Palanivel Thiaga Rajan made the announcement while presenting the revised budget for 2021-22 on the floor of the Assembly here. The decision will result in a loss of revenue of ₹1,160 crore a year to the State exchequer.

Tamil Nadu posts positive growth amid pandemic



- Tamil Nadu emerged as the only possible southern State to clock a positive growth rate of 1.42% during the first year of the COVID-19 pandemic – 2020-21. This is one of the highlights of the data released recently by the Union Ministry of Statistics and Programme Implementation. Originally, the State's growth rate was projected at about 2%.
- The data, compiled as on August 2, do not contain figures for several States, including Kerala, Maharashtra and Gujarat. However, the available data reveal that the growth rate of the southern States of Andhra Pradesh, Karnataka and Telangana and the Union Territory of Puducherry contracted – minus 2.58%, minus 2.62%, minus 0.62% and minus 3.46% respectively. At the all-India level, the growth was estimated at minus 7.3%.

Memorial for late M Karunanidhi



- The Memorial for late DMK president and former Chief Minister M Karunanidhi will be constructed at the Marina on Kamarajar Salai in Chennai.
- This is in recognition of his efforts to create a "Modern Tamil Nadu".
- Chief minister Stalin made this announcement under the rule 110 of the Tamil Nadu legislative assembly.
- Under rule number 110, The Chief minister can announce or bring any resolution to the assembly which can be passed without any discussion.

Municipalities to municipal corporations

- Ahead of elections to urban local bodies which are expected in a few months, Tamil Nadu will have six more municipal corporations and 28 more municipalities. With this, the number of municipal corporations will go up from 15 to 21.
- Further, four municipal corporations -- Trichy, Nagercoil, Thanjavur and Hosur -- and three municipalities -- Chengalpattu, Poonamallee and Mannargudi -- would be expanded by merging the town panchayats and village panchayats adjacent to them.
- Municipal Administration Minister KN Nehru made these announcements while replying to the discussion on the demands for grants for his department in the state Assembly. He clarified that the ward members of the village panchayats that would be merged with municipal corporations and municipalities would continue in their positions till their terms end. Also when the term of the elected local body ends, they would become totally part of the municipal corporation and town panchayats.
- A new municipal corporation will be established by merging the following municipalities -- Tambaram, Pallavaram, Chembakkam, Pammal and Anakaputhur. Besides, well developed town panchayats and village panchayats adjacent to these places would be merged with them while creating the new municipal corporation.
- Also, Kanchipuram, Kumbakonam, Karur, Cuddalore and Sivakasi municipalities will be upgraded as municipal corporations by merging the well developed local bodies adjacent to them.
- The 27 town panchayats to be upgraded as municipalities by merging the village panchayats located adjacent to them are Pallapatti, Thittakudi, Mangadu, Kundrathur, Nandivaram-Guduvancheri, Ponneri, Thirunindravur, Shozhigur, Edanganasalai, Tharamangalam, Thirumuruganpoondi, Gudalur, Karamadai, Karumathampatti, Madukkarai, Vadalur, Kottakuppam, Thirukovilur, Ulundurpet, Adirampattinam, Manamadurai, Surandai, Kalakkadu, Tiruchendur, Kollankode, Musiri and Lalgudi. The minister said two town panchayats -- Punjai Pugalur and TNPL Pugalur -- will be merged and upgraded as a municipality.
- Also, a wage employment scheme, on a pilot basis, would be implemented at a cost of Rs 100 crore in urban areas. This would be implemented in two zones of Chennai Corporation, one zone each in the rest of the municipal corporations, seven municipalities and one town panchayats each in 37 districts.

Kalaingar Urban Development Scheme

- The Tamil Nadu government would implement the **Kalaingar Urban Development Scheme** at a cost of ₹1,000 crores.

About

- Under Kalaingar Urban Development Scheme, Infrastructure including a community hall, markets, modern libraries will be created in municipalities and town panchayats
- The urban employment scheme will be on the lines of the **Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)**, to improve the livelihood of the urban poor.

Objectives and Need

- **Growing urbanisation:** The urban population in Tamil Nadu was growing fast and it would reach **60% of the total population by 2036**.
 - A total of four crore people are now living in urban areas, accounting for 53% of the total population.
- **Impact of COVID-19 pandemic:** It aims to provide employment to the urban poor, who had lost their jobs because of the COVID-19 pandemic.
 - Thousands of jobs were lost and the government discussed ways to create jobs for them.
 - Under the scheme, workers will be used for activities such as desilting of water bodies and maintenance of public parks and other places.

All new vehicles sold from September 1 must have bumper-to-bumper insurance cover, rules Madras HC

- If you are buying a new vehicle after September 1, you may have to purchase bumper-to-bumper insurance which covers a wide range of liabilities. The Madras High Court in an order dated August 4 has ruled thus.
- Currently, any type of insurance is sufficient to run a vehicle on the roads. Most of the vehicle owners opt for the cheapest option which covers liabilities of only those who suffer damages out of an accident involving the vehicle. The Madras high court has ruled that a comprehensive insurance policy, covering even all the parts of the vehicle and the vehicle owner is a must.
- The judge expressed shock as to why the buyers are not interested in spending "a paltry sum" to take a policy when he is ready to pay a huge amount for purchasing the vehicle.

Tamil Nadu Assembly adopts special resolution against farm laws



- The Tamil Nadu Legislative Assembly adopted a special resolution moved by Chief Minister M.K. Stalin that urged the Union government to repeal **the three contentious farm laws**. While legislators of the AIADMK and BJP walked out of the House opposing the resolution, their ally PMK, voted in favour of it.
- The DMK government also announced that it would withdraw cases registered against farmer associations and political parties over their protests against these farm laws.
- The resolution contended that The Farmers' Produce Trade and Commerce (Promotion and Facilitation) Act, 2020, The Farmers (Empowerment and Protection) Agreement on Price Assurance and Farm Services Act, 2020 and The Essential Commodities (Amendment) Act, 2020 were "not suitable" for agricultural development and farmers' welfare and went on to urge the Union government to repeal them.
- Earlier in the day, the government also tabled a Bill that seeks to repeal the Tamil Nadu Agricultural Produce and Livestock Contract Farming and Services (Promotion and Facilitation) Act, 2019, which was enacted by the erstwhile AIADMK regime. The Bill moved by Agriculture Minister M.R.K. Panneerselvam contended that Tamil Nadu Agricultural Produce Marketing (Regulation) Act, 1989 could be strengthened instead of bringing in an enactment for each mode of the marketing system.

Discovery of a 2 feet high grain container in the excavation keezhadi



- Phase 7 excavations in the Keeladi, Sivagangai district began on February 13. Following this, excavations were carried out at 4 places including Keeladi, Konthagai, Agaram and Manalur. Archaeological excavations were halted only in the Manalur area as no archaeological remains were found. Excavations are underway at three other sites.
- Underneath, a 2-foot-tall container of grain was reportedly found. 348 cm long red jar-shaped paving is available. The wall is 2 cm thick, with no neck and folded inwards. Its central interior, 30 cm. is circumferential.

CM Stalin announces Rs 317-crore welfare package for Sri Lankan Tamil refugees

- Tamil Nadu Chief Minister MK Stalin announced a Rs 317.40 crore welfare package for the welfare of Sri Lankan Tamil refugees living in special camps in the State.
- The Chief Minister said that it will be allocated to ensure housing and infrastructure in the Srilankan refugee camps in Tamil Nadu.
- The Tamil Nadu government has already been providing a monthly stipend to the Srilankan Tamil refugees living in the camps.
- The monthly stipend will be increased from Rs 1,000 to Rs 1,500 per head of household and Rs 750 to Rs 1,000 for other members and from Rs 250 to Rs 400 for children under 12 years.
- The Sri Lankan Tamil Refugee camps will from now on be called Sri Lankan Tamil Rehabilitation camps.

Ahead of local body polls, electoral rolls released for nine new districts

மாவட்டம்	ஆண் வாக்காளர்கள்	பெண் வாக்காளர்கள்	திருநங்கைகள்	மொத்தம்
செங்கல்பட்டு	569583	585163	187	1154933
கள்ளக்குறிச்சி	483772	477812	186	961770
காஞ்சிபுரம்	331266	350387	78	681731
	326701	340498	38	667237
தென்காசி	369438	385940	24	755402
திருநெல்வேலி	330487	343325	56	673868
திருப்பத்தூர்	329959	334115	34	664108
வேலூர்	348898	368006	80	716984
விழுப்புரம்	687420	696115	152	1383687
மொத்தம்	3777524	3881361	835	7659720

- Tamil Nadu State Election Commission released the electoral roll in nine newly carved districts in the State, ahead of the rural local body polls in those districts.
- As per the data provided, the nine districts of Chengalpattu, Kallakurichi, Kancheepuram, Ranipet, Tenkasi, Tirunelveli, Tirupattur, Vellore and Villupuram have a total of 76,59,720 voters.

Bill to repeal Dr J. Jayalalithaa University Act tabled in TN Assembly

- The Tamil Nadu government introduced a Bill to repeal the Dr. J. Jayalalithaa University Act, and another Bill to amend the Annamalai University Act 2013 to convert it from a unitary institution into an affiliating type university. Objecting to the move, AIADMK legislators walked out of the House and staged a protest on the road outside Kalaivanar Arangam leading to their detention by the police.
- The government also tabled a Bill to amend the Bharathidasan University Act.



2. SPECIAL NEWS

Very important events can be called as special news

Covid -19 Vaccine & Relief measures

Covid-19 vaccination certificate on WhatsApp

- In a bid to ease the process of obtaining a vaccination certificate, The Union Health Ministry has informed that the COVID-19 vaccination certificate can now be obtained via WhatsApp within seconds.
- "Revolutionising common man's life using technology! Now get #COVID19 vaccination certificate through MyGov Corona Helpdesk in 3 easy steps. Save contact number: +91 9013151515 Type & send 'covid certificate' on WhatsApp Enter OTP Get your certificate in seconds," the office of Union Health Minister Mansukh Mandaviya tweeted.

Sec 66A of IT Act

Several violations | Section 66A of the IT Act penalised the sending of "offensive messages" via online communication but failed to define the term "offensive". In 2015, it was deemed unconstitutional by the Supreme Court due to its vagueness. However, the provision continues to be invoked in cases across the country even today

TIMELINE:

- **Dec. 2008:** Information Technology (Amendment) Bill passed in Parliament
- **Oct. 2009:** IT (Amendment) Act, 2008, comes into force
- **Nov. 2012:** PIL filed by Shreya Singhal challenging the constitutionality of Section 66A of the Act

- **March 2015:** The Supreme Court, in *Shreya Singhal vs Union of India (2015)*, declared Section 66A unconstitutional
- **Feb. 2019:** Supreme Court directs the judgment in *Shreya Singhal vs Union of India (2015)* to be sent to all courts in the country, senior administrative officers and Director Generals of Police

CASE COUNT*:

- As on **August 2, 2021**, a total of **1,988** cases have been registered under the Act, of which **681** were registered prior to the judgment, and **1,307** after it
- Currently, **799** of the cases are still pending and active
- Judgments have been passed in **236** cases filed, of which **132** were before 2005 and **104** after

*The data considers cases registered between October 27, 2009, and February 15, 2020, in 11 States – Assam, Andhra Pradesh, Delhi, Jharkhand, Karnataka, Maharashtra, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh and West Bengal
Source - <https://zombietracker.in>



DATA POINT

DATA POINT



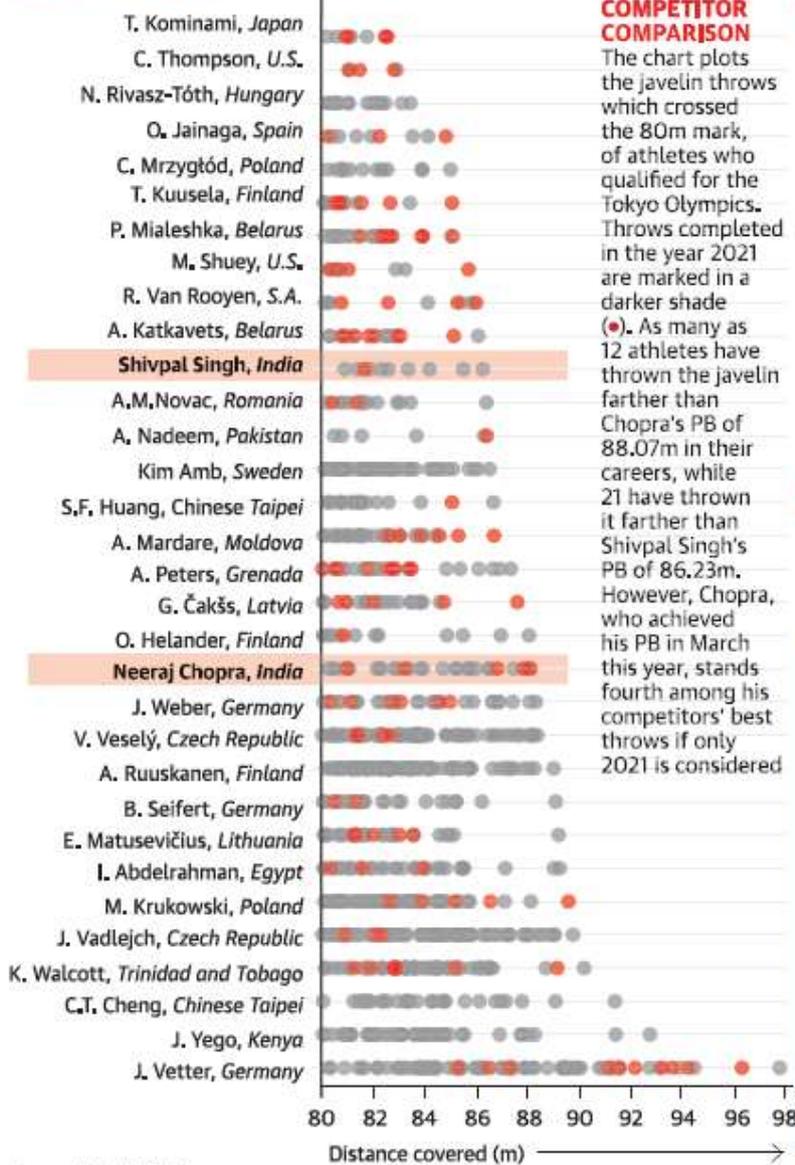
■ Only five athletes who have qualified for the Olympics have thrown the javelin a distance of 87m or more this year. Johannes Vetter and Neeraj Chopra have done it more than once

■ His personal best throw of 88.07m would have earned him a medal in the last two Olympic Games

■ Chopra's five best throws have come in the last three years. He has gone past the 88m mark twice in this period

Throwing for glory

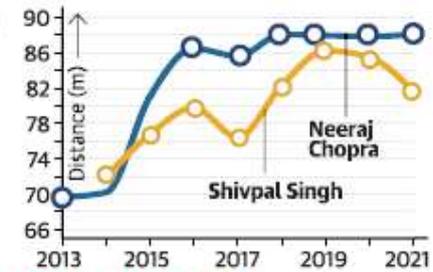
All eyes will be on Neeraj Chopra when he takes the stage for the men's javelin throw at the Tokyo Olympics on Wednesday. Only three of his fellow competitors in the event have thrown the javelin farther than he has in 2021. He recorded his personal best (PB) throw of 88.07m this year in March, a new national record. The numbers show that he has improved his performance almost every year since 2013. His biggest challenge is Germany's Johannes Vetter, who has crossed the 90m mark on seven occasions, including many of his recent performances. **By Sumant Sen**



COMPETITOR COMPARISON

The chart plots the javelin throws which crossed the 80m mark, of athletes who qualified for the Tokyo Olympics. Throws completed in the year 2021 are marked in a darker shade (●). As many as 12 athletes have thrown the javelin farther than Chopra's PB of 88.07m in their careers, while 21 have thrown it farther than Shivalp Singh's PB of 86.23m. However, Chopra, who achieved his PB in March this year, stands fourth among his competitors' best throws if only 2021 is considered

STEADY PROGRESS | A look at the best throws of both the Indians competing in Tokyo shows that Chopra has improved his performance consistently since 2013. Since 2018, his best performance has consistently been above the 87m mark. On the other hand, Shivalp Singh's best came in 2019 when he achieved a distance of 86.23m



SERIOUS CONTENDER | Chopra's PB would have been good enough for the Bronze at the 2016 Rio Olympics. The chart depicts his PB and the distances which bagged a medal at the Olympics and World Championships since 2012

World record (Set in 1996)	98.48
WC 2015 GOLD	92.72
Olympic Record (Set in 2008)	90.57
Rio 2016 GOLD	90.3
WC 2017 GOLD	89.89
WC 2017 SILVER	89.73
WC 2015 SILVER	88.99
WC 2017 BRONZE	88.32
Rio 2016 SILVER	88.24
Neeraj Chopra's National record*	88.07
WC 2015 BRONZE	87.64
WC 2013 GOLD	87.17
WC 2013 SILVER	87.07
WC 2019 GOLD	86.89
WC 2013 BRONZE	86.23
WC 2019 SILVER	86.21
Rio 2016 BRONZE	85.38
WC 2019 BRONZE	85.37
London 2012 GOLD	84.58
London 2012 SILVER	84.12
London 2012 BRONZE	83.34

*(Set in March, 2021) All distance in metre

Source: World Athletics

DATA POINT

Women in the police force

Only 12% of the Indian police were women as of 2020. While many States have mandated 10% to 33% reservation for women in the police, not one of these States has met its goal. The share of women among the higher ranks was even lower at 8.7%. A significant share of policewomen suffer due to patriarchal prejudices and are considered unfit for on-field tasks. Many stations also lack basic infrastructure such as separate toilets for women.

By Jasmin Nihalani, Vignesh Radhakrishnan and Sumant Sen

34%

policemen feel that women are incapable of handling high-intensity cases and crimes

22%

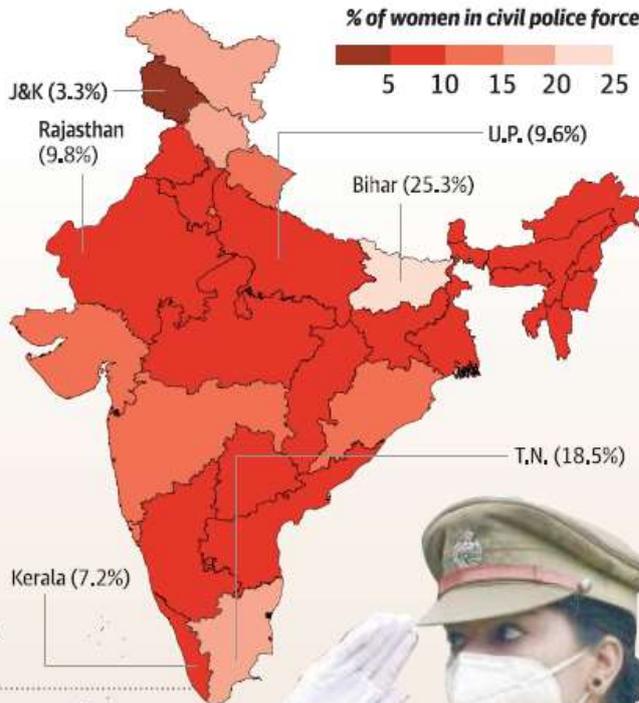
policewomen feel that women are incapable of handling high-intensity cases and crimes

37%

policewomen are willing to give up their profession if they get similar salary/perks in other professions

Share of women in police

The map shows the share of women in the civil police force in 2020. In Bihar, 25% of the civil police were women, the highest in the country, while in J&K, only 3.3% were women, which is the lowest. Most States have reserved some posts for women in the police force. The share of reservations ranges from 10% to 33%. Not one of the States, however, has met its goal. Overall only 12% of the police force were women



Poor support

Many women in the force expressed discontent due to poor infrastructure such as non-availability of separate toilets and lack of venues to report workplace harassment. The answers were from a CSDS survey of 12,000 personnel across States in 2019

Policewomen who said they would be willing to give up their profession and go for another job with same salary and perks

37%

Policewomen who said there was no sexual harassment committee at their police station or jurisdiction

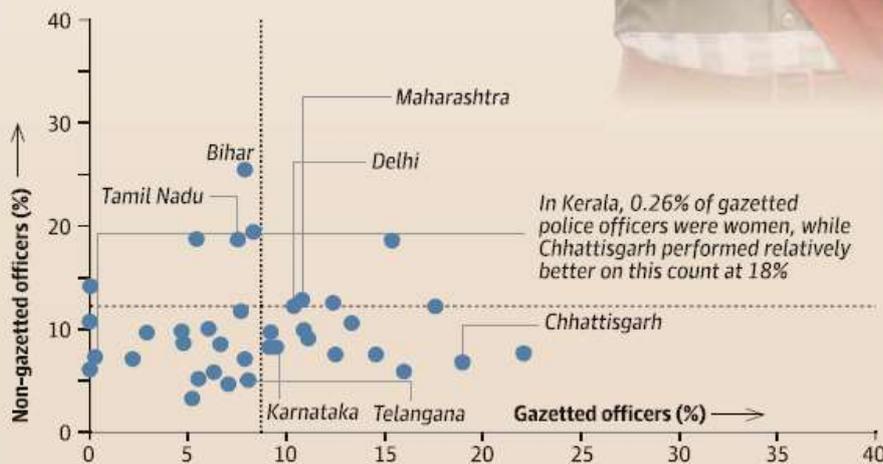
24%

Policewomen who said there was no separate toilet for them at their police station or jurisdiction

22%

Women in higher ranks

While 12% of the police force were women, their share in the higher ranks (gazetted officers) was even lower at 8.72%. In Bihar, 25% of non-gazetted civil police officers were women, whereas they formed only 8% of gazetted officers. Gazetted officers are those above the level of Inspector (ASP, SP, ADSP, AIGP, DIG, IGP, DGP, etc). Inspectors, SIs, ASIs, constables etc. are non-gazetted



In Kerala, 0.26% of gazetted police officers were women, while Chhattisgarh performed relatively better on this count at 18%

Prejudices towards women

A significant share of personnel said policing is a man's job. A significant share of them, including women, were found to hold prejudiced notions about the capability of women in handling police duties

% of those who strongly/somewhat agreed with the following statements

Women Men

Given the inflexible working hours, it is not alright for women to work in the police force as they cannot attend to homely duties

41%

54%

Women police are incapable of handling high intensity crimes and cases

22%

34%

Being in the police requires physical strength and aggressive behaviour which women lack

29%

43%



Khel Ratna Award



- **Major Dhyhan Chand Khel Ratna Award** (transl. Major Dhyhan Chand Sport Jewel Award), formerly known as **Rajiv Gandhi Khel Ratna Award in Sports and Games**, is the highest sporting honour of the Republic of India. It is awarded annually by the Ministry of Youth Affairs and Sports.
- The recipient(s) is/are selected by a committee constituted by the Ministry and is honoured for their “spectacular and most outstanding performance in the field of sports over a period of four years” at international level. As of 2020, the award comprises a medallion, a certificate, and a cash prize of ₹25 lakh (US\$35,000).
- Instituted in 1991-1992, the award was given for the performance by a sportsperson in a year. Based on the suggestions provided by 2014 award selection committee, the Ministry revised the criteria in February 2015 to consider the performance over a period of four years.
- A twelve-member committee evaluates the performances of a sportsperson at various International events like **Olympic Games, Paralympic Games, Asian Games, and Commonwealth Games**. The committee later submits their recommendations to the **Union Minister of Youth Affairs and Sports** for further approval. The award from 1991-2021 was named after **Rajiv Gandhi (1944-1991), former Prime Minister of India**.
- The award since August 6, 2021 is named after **Major Dhyhan Chand (1905-79)**, a field hockey player, played international hockey for India from 1926 to 1949, scoring over 400 goals in his career. Dhyhan Chand, born in Allahabad, was part of the Indian Hockey Olympic team that won gold medals in 1928, 1932 and 1936.



- The first recipient of the award was **Chess Grandmaster Viswanathan Anand**, who was honoured for the performance in the year 1991-92. In 2001, **sport shooter Abhinav Bindra**, then aged 18, became the youngest recipient of the award.
- Usually conferred upon only one sports person in a year, a few exceptions have been made (1993-1994, 2002, 2009, 2012, and 2016-2020) when multiple recipients were awarded in a year.
- As of 2019, there have been forty-three recipients from fifteen sport disciplines: **Athletics, Badminton, Billiards, Boxing, Chess, Cricket, Field hockey, Gymnastics, Shooting, Snooker, Table Tennis, Tennis, Wrestling, Weightlifting, and Yacht racing.**
- The most recent recipients of the award are Rohit Sharma (Cricket), Mariyappan Thangavelu (Para Athletics), Manika Batra (Table Tennis), Vinesh Phogat (Wrestling), and Rani Rampal (Hockey).

List of award recipients, showing the year, and discipline(s)

Year	Recipient(s)	Discipline(s)
1991-1992	Viswanathan Anand	Chess
1992-1993	Geet Sethi	Billiards
1993-1994	Homi Motivala	Yachting (Team event)
1993-1994	Pushpendra Kumar Garg	Yachting (Team event)
1994-1995	Karnam Malleswari	Weightlifting
1995-1996	Nameirakpam Kunjarani	Weightlifting
1996-1997	Leander Paes	Tennis
1997-1998	Sachin Tendulkar	Cricket
1998-1999	Jyotirmoyee Sikdar	Athletics
1999-2000	Dhanraj Pillay	Hockey (Men)
2000-2001	Pullela Gopichand	Badminton
2001	Abhinav Bindra	Shooting
2002	K. M. Beenamol	Athletics
2002	Anjali Bhagwat	Shooting
2003	Anju Bobby George	Athletics
2004	Rajyavardhan Singh Rathore	Shooting
2005	Pankaj Advani	Billiards and Snooker



Year	Recipient(s)	Discipline(s)
2006	Manavjit Singh Sandhu	Shooting
2007	Mahendra Singh Dhoni	Cricket
2008	No award	
2009	Mary Kom	Boxing (Women)
2009	Vijender Singh	Boxing
2009	Sushil Kumar	Wrestling
2010	Saina Nehwal	Badminton
2011	Gagan Narang	Shooting
2012	Vijay Kumar	Shooting
2012	Yogeshwar Dutt	Wrestling
2013	Ronjan Sodhi	Shooting
2014	No award	
2015	Sania Mirza	Tennis
2016	P. V. Sindhu	Badminton
2016	Dipa Karmakar	Gymnastics
2016	Jitu Rai	Shooting
2016	Sakshi Malik	Wrestling
2017	Devendra Jhajharia	Paralympic javelin
2017	Sardara Singh	Hockey (Men)
2018	Saikhom Mirabai Chanu	Weightlifting
2018	Virat Kohli	Cricket
2019	Deepa Malik	Paralympic (shot put, javelin, others)
2019	Bajrang Punia	Wrestling
2020	Rohit Sharma	Cricket
2020	Mariyappan Thangavelu	Paralympic high jump
2020	Manika Batra	Table Tennis
2020	Vinesh Phogat	Wrestling
2020	Rani Rampal	Hockey (Women)

Common survey to count India's elephant and tiger populations



- India is planning to adopt the new population estimation protocol in the all-India elephant and tiger population survey in 2022.
- As per the new protocol, India will move to a system that will count tigers and elephants as part of a common survey.
- Currently, the tiger survey is usually held once in four years and elephants are counted once in five years.
- According to the most recent 2018-19 survey, there were 2,997 tigers in India.
- According to the last count in 2017, there were 29,964 elephants in India.

India at Paralympics: Meet the past medallists

- India have won 12 medals, including four gold, and as many silver and bronze medals in the Summer Paralympics since its debut at the 1968 Games.

1972, Heidelberg Paralympics

MURLIKANT PETKAR: GOLD

- Petkar won the country's first ever medal at the Paralympics when he clinched the gold in the men's 50m freestyle swimming event, clocking a world record time of 37.33 seconds.
- Originally a boxer in the Indian Army, Patekar switched to swimming and other sports after losing his arm in the 1965 Indo-Pak war.
- He was India's first-ever individual gold medallist at the Paralympics and Olympics.

1984, New York (US), Stoke Mandeville (UK) Paralympics

JOGINDER SINGH BEDI: 1 SILVER, 2 BRONZE

- Bedi won the silver medal in the shot put event while bagging a bronze each in discus and javelin throw events. He holds the record of being the Indian with the most Paralympic medals.

BHIMRAO KESARKAR: SILVER

- Kesarkar clinched the silver medal in the men's javelin throw event at the 1984 Paralympics, co-hosted by Stoke Mandeville, UK, and New York, US.
- He finished ahead of compatriot Joginder Singh Bedi, who claimed the bronze medal in the same event.

2004, Athens Paralympics

DAVENDRA JHAJHARIA: GOLD

- Jhajharia ended India's 20 year wait for a Paralympic medal by clinching the gold in the men's javelin throw at the Athens Games. With his throw of 62.15m in Athens, Jhajharia set a new world mark, a record that he would rewrite 12 years later.
- Hailing from a small village in Rajasthan's Churu district, Jhajharia was around eight years old when his left hand had to be amputated immediately after he accidentally touched a live electric cable entwined in a branch of tree he had climbed.
- Jhajharia would be in action in Tokyo as well.

RAJINDER SINGH RAHELU: BRONZE

- The second Indian medallist at the Athens Games, Rahelu, competed in the 56kg men's powerlifting event. He bagged the bronze with an effort of 157.5kg.
- Born in Mehsampur village, Jalandhar district, Punjab, Rahelu is suffers from infantile paralysis. He contracted polio when he was eight months old.

2012, London Paralympics

GIRISHA NAGARAJEGOWDA: SILVER

- The lone Indian medallist in the London edition of the Games, Nagarajegowda grabbed the silver in the men's high jump with a jump of 1.74 metres.
- With the feat, Nagarajegowda, who has an impairment in his left leg, became the first Indian to win a medal at that event.

2016, Rio Paralympics

DAVENDRA JHAJHARIA: GOLD

- Jhajharia etched his name in history books when he sent the spear to a distance of 63.97 metres in the men's javelin throw event in Rio, becoming the first Indian to clinch two gold medals at the Paralympics.
- One of India's most decorated athletes at the Paralympics, Jhajharia also bettered his world record that he had set 12 years earlier at the Athens Games. He is also competing in the Tokyo Games with an aim of clinching his third gold medal.

MARIYAPPAN THANGAVELU: GOLD

- Thangavelu bagged the gold in the high jump event at the Rio Games by clearing 1.89m. He is one of only three gold medal-winning Paralympians in the country.
- Hailing from Salem district in Tamil Nadu, his brilliant effort saw him obliterate the previous Asian record.
- Thangavelu, who suffered a permanent disability at the age of five when a bus crushed his right leg below the knee, will be defending his gold at the Tokyo Games.

DEEPA MALIK- SILVER

- Malik became the first woman from India to win a Paralympic medal when she won the silver in the shot put event in Rio with a best throw of 4.61m.
- A paraplegic, paralysed from waist down, Malik was consigned to the wheelchair after being operated for a spinal tumour.
- She currently serves as the President of the Paralympic Committee of India.

VARUN SINGH BHATI- BRONZE

- Bhati clinched the bronze medal in high jump at the Rio Games, accompanying compatriot Mariyappan Thangavelu, who won the gold, on the podium.
- Afflicted by poliomyelitis at a young age, Bhati had produced a personal best mark of 1.86 metres, capping off India's most successful Paralympics till date.

Animal Discoveries 2020

- It is a document published recently by the Zoological Survey of India (ZSI).
- It reveals that 557 new species have been added to India's fauna in 2020.
- It includes 407 new species and 150 new records.
- The number of faunal species in India has climbed to 1,02,718 species.

Some added species

- *Trimeresurus salazar*, a new species of green pit viper discovered from Arunachal Pradesh,
- *Lycodon deccanensis*, the Deccan wolf snake discovered from Karnataka,
- *Sphaerotheca Bengaluru*, a new species of burrowing frog named after the city of Bengaluru,
- *Xyrias anjaalai*, a new deep water species of snake eel from Kerala,
- *Glyptothorax giudikyensis*, a new species of catfish from Manipur,
- *Clyster galateansis*, a new species of scarab beetles from the Great Nicobar Biosphere,
- *Myotis cf. frater*, a bat species has been reported for the first time from Uttarakhand in India,
- *Zoothera citrina gibsonhilli*, an orange-headed thrush was reported for the first time from the Narcondam Island in the Andaman & Nicobar Islands.

3. IMPORTANT EVENTS

Events like awards, celebrations, etc...

Serum Institute founder Cyrus Poonawalla to receive Lokmanya Tilak Award



- Cyrus Poonawalla has been named the winner of the prestigious National Lokmanya Tilak Award 2021.
- He is the founder of the Serum Institute of India (SII) in Pune.
- He will be commended for his work during the COVID-19 pandemic.
- This award was first presented in the year 1983.

U.N. Security Council Meeting



- The Prime Minister of India, Narendra Modi, has chaired the United Nations Security Council (UNSC) open debate.
- The UN Security Council then adopted India's presidential statement on maritime security.
- PM Modi has become the first Prime Minister of India to chair a UNSC open debate.
- The theme of the high-level open debate was 'Enhancing Maritime Security - A Case for International Cooperation'.
- Five-point agenda had been laid down by PM to increase the maritime cooperation.
- They are
 - Removal of barriers to legitimate maritime trade.
 - Resolution of maritime disputes peacefully in accordance with international law.
 - Fight threats from natural disasters, non-state actors.
 - Conservation of marine resources.
 - Promoting responsible maritime connectivity.

Independence Day awards - Tamil Nadu



- Tamil Nadu Chief Minister M.K. Stalin presented the Kalpana Chawla Award for Courage and Daring Enterprise to P. Shanmuga Priya, posthumously.
- The late Dr. Shanmuga Priya was a medical officer at the Annuppanadi Primary Health Centre in Madurai.
- The Chief Minister presented the Dr. A.P.J. Abdul Kalam award to Dr. M. Lakshmanan, Professor of Eminence, Bharathidasan University.
- He also presented the first Thagaisal Thamizhar Award to veteran Communist leader and centenarian, N. Sankaraiah.
- K. Narayanasamy, Director, Government Corona Hospital, Guindy was conferred the Chief Minister's Best Practices Award.
- Presidency College was also conferred the award for facilitating independent learning of differently abled students.
- The Avvaiyar Award was conferred on Santhi Duraisamy.
- Best Third Gender award was conferred on Grace Banu, Thoothukudi.

Thagaisal Thamizhar - N. Sankaraiah



- Veteran Marxist Communist Leader N. Sankaraiah will receive the first Thagaisal Thamizhar Award.
- The award was instituted by the DMK government this year to honour a distinguished Tamil personality.
- Chief Minister M.K. Stalin will hand over the award to Mr. Sankaraiah during the Independence Day celebrations in Chennai.
- The Thagaisal Thamizhar Award carries a cash prize of ₹10 lakh and a citation.

Two Tamils among recipients of national award for teachers



Teachers: K. Asha Devi, D. Lalita

- Asha Devi is one of the recipients of national award for teachers given away by the Union government.
- She is the headmistress of the Panchayat Union Middle School at Piratiyur, Trichy.
- Asha Devi is one among the 44 teachers selected across the country for the award, and among the only two teachers from Tamil Nadu.
- The second teacher from Tamil Nadu to receive the award was D Lalitha.
- She is the headmistress of Government Girls Higher Secondary School in Modakurichi.

PM Modi releases special Rs 125 coin on ISKCON founder's 125th birth anniversary



- Prime Minister Narendra Modi released a special commemorative coin of Rs 125 to mark the 125th birth anniversary of ISKCON founder Srila Bhaktivedanta Swami Prabhupada via video conferencing.
- Prabhupada founded the International Society for Krishna Consciousness (ISKCON) commonly known as the 'Hare Krishna movement'. ISKCON has translated the Shrimad Bhagavad Geeta and other Vedic literature in 89 languages, playing a stellar role in the dissemination of Vedic literature across the world, the Prime Minister's Office (PMO) had earlier said. The founder has also established over a hundred temples and wrote several books.

Ki Ra, Award for Writer Konanki



- Chennai - Writer Konanangi has been selected for the Ki Ra Award, named after writer Ki. Rajanarayanan.
- On World Book Day, the Coimbatore Vijaya Publishers' Circle presents awards for five years to writers Jayakanthan, Meera and Puthumaipittan, Shakthi Govindan to Best Writer and Vanathi Thirunavukarasu to Best Bookseller. Following this, since last year, the Ki. Ra. Literary Award has been given in the name of the writer K. Rajanarayanan.
- The award is presented by 'Sakthi Masala' founder Duraisamy and Shanthi Duraisamy at the initiative of actor Sivakumar. Last year, writer Kanmani Gunasekara was given a literary award of Rs. The meeting was held. In it, the award amount was increased to 5 lakh rupees.
- Accordingly, Kanmani Gunasekara was given Rs 5 lakh. So far, only the Jnanpith and Saraswati Salman Awards worth Rs 5 lakh have been given in the country. He has written novels and short story collections such as Paali, Pithira, The and Neervalari. He is also the editor of the pamphlet 'Kal Kuthirai'.

Indian Film Festival of Melbourne Awards 2021 announced



- The **Family Man 2** actors **Manoj Bajpayee** and **Samantha Akkineni** were among the winners of the latest edition of the **Indian Film Festival of Melbourne Awards**. The IFFM 2021 were held virtually with several stars from various film industries in attendance. Eminent Indian artists like Shoojit Sircar, Anurag Kashyap, Thiagarajan Kumararaja, Sriram Raghavan were amongst the presenters, along with Richa Chadha, Guneet Monga, Onir and others as jury members.

Here is the full list of winners of the Indian Film Festival of Melbourne (IFFM) 2021:

- Best Feature Film: Soorarai Pottru
- Best Performance Male (Feature): Suriya Sivakumar (Soorarai Pottru)
- Best Performance Female (Feature): Vidya Balan (Sherni) & Honourable mention to Nimisha Sajayan (The Great Indian Kitchen)
- Best Director: Anurag Basu (Ludo) & Honorary Mention Prithvi Konanur (Pinki Elli?)
- Best Series: Mirzapur Season 2
- Best Actress in a Series: Samantha Akkineni (The Family Man 2)
- Best Actor in a Series: Manoj Bajpayee (The Family Man 2)
- Equality in Cinema (Short Film): Sheer Qorma
- Equality in Cinema Award (Feature Film): The Great Indian Kitchen
- Best Indie Film: Fire in the Mountains
- Diversity in Cinema Award: Pankaj Tripathi
- Disruptor Award: Sanal Kumar Sasidharan
- Best Documentary Film: Shut Up Sona

4. PERSON IN NEWS

Persons whom occurred in news

Vice Admiral SN Ghormade assumes charge as Indian Navy's vice chief



- Vice Admiral SN Ghormade assumed charge as the Vice Chief of Naval Staff at a formal ceremony held at South Block in New Delhi. Vice Admiral SN Ghormade takes over from Vice Admiral G Ashok Kumar who retires after a service of 39 years.
- Vice Admiral SN Ghormade is an alumnus of the National Defence Academy (NDA), Khadakwasla, Naval Staff College at the United States Naval War College, Newport, Rhode Island, and the Naval War College, Mumbai.
- Vice Admiral Ghormade was commissioned into the Indian Navy on January 1, 1984 and is a Navigation and Direction specialist. He has had extensive operational tenures onboard frontline warships of the Indian Navy. During his career spanning over 37 years, he has been through a myriad of operational and staff appointments.

DMK leader Duraimurugan completes 50 years in Assembly



- Water Resources Minister and Leader of the House Duraimurugan, who first entered the Tamil Nadu Legislative Assembly 50 years ago in 1971 turned emotional when the House led by Chief Minister M K Stalin felicitated him.
- A veteran DMK man he had won in 10 Assembly elections - eight times from Katpadi constituency and twice from Ranipet - and lost only on two occasions in the past five decades.

Malaysia's Ismail Sabri Yaakob sworn in as new PM



- Former Deputy Prime Minister Ismail Sabri Yaakob on August 21, 2021, was appointed as the new Prime Minister by Malaysia's King Al-Sultan Abdullah.
- Ismail will be sworn-in on August 21, 2021, as Malaysia's third Prime Minister in three years. He received the support of 114 out of 222 members of Parliament, which is more than the 111 required for a simple majority, the Palace said.
- Ismail will be taking charge as PM during a time when Malaysia, despite a lockdown since June 2021 and a seven-month state of emergency, has been reporting double the number of daily new cases of COVID-19 infections. The former PM Muhyiddin government has been widely criticized for the way of handling Malaysia's worsening COVID-19 pandemic.
- Ismail will be succeeded Muhyiddin Yassin, who resigned after he lost the majority in the lower house of the Parliament due to fighting in his coalition. Ismail was Deputy Prime Minister under Muhyiddin. His appointment as PM means the United Malays National Organization (UMNO), Malaysia's longest-governing political party, will reclaim its reign after it lost in the 2018 elections.
- The UMNO has been the governing political party in Malaysia since its independence from Britain in 1957.
- Ismail Sabri Yaakob is a Malaysian politician who will be sworn in as the country's 9th Prime Minister on August 21, 2021.

Senior BJP Leader from Tamil Nadu, ILa. Ganesan appointed as Governor of Manipur



- Senior BJP leader from Tamil Nadu, La. Ganesan, was appointed as the new Governor of Manipur.
- The post of the Governor had fallen vacant after the retirement of Najma Heptulla, earlier this month.
- A communique from the Rashtrapati Bhavan said that Mr. Ganesan will be the new "Governor of Manipur with effect from the date he assumes charge of his office".
- Dr. Heptulla had demitted office on August 10 and on the same day the charge was given to Sikkim Governor, Ganga Prasad.

Success in research on fractured bone: Gummidipoondi youth praise



- Vaithinathan (21), a final year biotechnology student from Gummidipoondi, has been successful in his research into grafting broken bones within 15 days and has been receiving praise from all.
- Vaidhyanathan, son of Baskaran-Latha couple from Gummidipoondi. He is a final year student in Biology Technology at Tanjore Sastra University.
- In the treatment of fractures, even one of the fractured bones may require a period of one to three months. Vaithiyanathan opted for research into the rapid accumulation of broken bones to avoid the resulting difficulties.

- As a result of his intensive research, 'Silver Nanoparticles' were mixed with a bio-polymer called kydosan, which binds even to the bones, to prevent infection, and to fill the prepared mixture between the broken bones. In August 2020, Vaithyanathan submitted a report on research to the university stating that the fractured bones could be repaired within 15 days.
- His research was approved by the Federal Department of Biotechnology. Subsequently, the Institute of Scholars 'Award for Young Achiever of 2021 was presented.
- Following this, FoxClues and Z News jointly presented the 2021 India Prime Quality Education Award to Vaidhyanathan.

In first for Supreme Court, 9 judges take oath



- The Chief Justice of India (CJI), NV Ramana, administered oath of office to Nine new judges, including three women.
- Three out of these nine new judges namely, Justice Vikram Nath, Justice BV Nagarathna and Justice PS Narasimha, are in line to become the CJI.
- With the addition of 9 judges, total strength of the Supreme Court increases to 33 out of the sanctioned strength of 34, including the CJI.
- This is the highest number of women judges ever in the Supreme Court (4 judges).
- It was the first time as many as nine judges were sworn in to the Supreme Court in a single stroke.
- Again, it was the first time the Supreme Court allowed a live telecast of the oath ceremony.
 - In over 71 years, only eight women judges have been appointed till date.
 - First women judge was M Fathima Beevi, appointed in 1989.
 - Justice Indira Banerjee is the long serving woman judge in the supreme court.

GST collections recover to ₹1.16 lakh crore in July



- India's gross GST revenues in July recovered sharply to ₹1,16,393 crore, after **slipping below the ₹1 lakh crore mark** for the first time in eight months in June.
- July's collections include central GST revenue of ₹22,197 crore, State GST of ₹28,541 crore and Integrated GST of ₹47,865 crore, of which nearly ₹28,000 crore was from import of goods. Compensation Cess collections, used to recompense States for adopting the GST regime, stood at ₹7,790 crore, including ₹815 crore collected on import of goods.
- "The government has settled ₹28,087 crore to CGST and ₹ 24,100 crore to SGST from IGST as regular settlement. The total revenue of Centre and the States after regular settlement in the month of July 2021 is ₹50,284 crore for CGST and ₹ 52,641 crore for the SGST," the Ministry said.

PM Modi launches e-RUPI, new digital payment solution

- The Prime Minister Narendra Modi launched "e-RUPI Digital Payment Solution" on August 2, 2021.
- e-RUPI is an e-voucher-based payment solution.
- e-RUPI initiative was launched to limit touch points between government and beneficiary.
- This Platform will also ensure that benefits reach its intended beneficiaries in a targeted and leak-proof manner.
- e-RUPI is a one-time payment mechanism that will allow users to redeem voucher without using card, digital payments app or internet banking access.
- The National Payments Corporation of India (NPCI) developed e-RUPI platform on its UPI platform.
- It was launched in collaboration with Department of Financial Services, Ministry of Health & Family Welfare and National Health Authority.

Tamil Nadu budget 2021-22: Highlights

- Tamil Nadu finance minister Palanivel Thiaga Rajan presented a paperless budget. It is a revised budget for the year 2021-22. Here are the highlights of the budget.
- Tax on petrol will be cut by Rs 3 per litre. It will come into effect on August 14.
- Maternity leave for govt staff increased to 12 months. It will come into effect from July 1, 2021.
- SIPCOT to come up in nine districts, including Tiruvannamalai and Dharmapuri; Rs 1,500 crore has been allocated for the same as first instalment
- Govt will establish 10 new arts and science colleges this year
- TN will start smart classes in 25 colleges this year
- The vacancies in higher educational institutions will be filled on a priority basis.
- Govt will priorities its fight against Covid-19
- The TN government will give importance to reduce learning loss due to Covid-19 pandemic, TN FM says
- Chennai Kasimedu fishing harbour to be upgraded with Rs 150 Cr
- Water holding capacity of major dams including Mettur and Vaigai to be restored to their past levels
- Government to ensure that all eligible elders will get Old Age pension
- Rs 225.62 crore allotted for sports and youth development.
- Rs 4,142 crore allotted for Adi Dravidar and ST welfare.
- Rs 6 crore allocated to renovate mosques and churches in the state.
- Rs 1.50 crore allocated for transgenders pension scheme
- Rs 409 crore allocated for free school uniforms scheme.
- 300 tourists destinations will be developed under tourism master plan. Rs 187.50 crore has been allocated for the same.
- The govt to come up with a separate education policy.
- MLAs constituency development fund enhanced to Rs 3 crore.
- Loans to the tune of Rs 2,756 crore given to women SHGs would be waived.

Agriculture Budget Speech - 2021

- During 2021-2022, Rs.34220.6499 Crore is provided in their respective demands for Agriculture department and Agriculture related departments

Palmyra Development Mission

- Palmyra is our State tree, with a long and continuous record in the history.
- There is a reference to Palmyra in “பாணித வாணிகன் நெடுமாலன்” (Panitha Vanikan Nedumalan) appearing in an inscription on Alagar hill. “பாணிதம்” (Panitham) is a word used to indicate the sweetness of processed palm syrup (sweet toddy).
- “கூந்தல் பனை” (Koondhal Panai) is one of the Palmyra species and also called as “தாளிப்பனை” (Thalipanai) or “விசிறிப்பனை” (Visirippanai).

- “ஓலை நாயகம்” (Olai Nayagam) was in service under the Government administration. The palmyra leaves were also called as “மடல்” (Madal).
- Palmyra Development Mission will be implemented at an outlay of Rs.3 crore under State fund.

Special Paddy Production Plan.

- As illustrated in the epic “மணிமேகலை ” (Manimekalai), “உண்டி கொடுத்தோர் உயிர் கொடுத்தோரே ”, the farmers, acting as practitioners to cure hunger, are working tirelessly to increase the food production so as to meet the demand for the burgeoning population.
- It is aimed to attain 125 Lakh Metric Tonnes of food grain production in this current year with the aim of-

**"Self-sufficiency,
Surplus production,
Nutritional Security"**

- Through this about six lakh farmers will be benefitted and Government will be incurring an additional expenditure of Rs.99.38 Crore.

Millets Mission

- To increase area, production and productivity of nutri-cereals like Cumbu, Ragi, Varagu, Thinai, Kudhiraivali and Samai
- Bio-fertilizer will be implemented under “Millet Mission” with special focus in Cuddalore, Villupuram, Kallakurichi, Vellore, Tirupathur, Tiruvannamalai, Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Madurai, Theni, Dindigul, Ramanathapuram, Viruthunagar and Thoothukudi Districts.
- Millet Mission will be implemented at an outlay of Rs.12.44 crore with Union and State Government funds.

Profitable Pulses Production Scheme

- As far as Tamil Nadu is concerned, pulses play an important role in all types of food varieties.
- It is mentioned in the ancient Tamil literature of “ஐங்குறுநூறு ”(Iyngurunooru) that “ திணை விரிந்த பின் விதைத்த அவரை வளர்ந்து காய்க்கும்”.
- This scheme will be implemented at an outlay of Rs 45.97 crore with Union and State Government funds.

Sustainable Cotton Cultivation Mission

- The cotton crop, also known as „White Gold',
- Cotton is procured in Regulated Markets by traders along with seeds. As cotton arrivals are heavy in Regulated Markets in Thanjavur, Tiruvarur, Nagapattinam, Perambalur and Cuddalore
- This scheme will be implemented at an outlay of Rs. 16 crore with State Government fund.

Agricultural Zonal Committees For Ensuring Farmers Welfare

- Based on the water resources, soil fertility, climate and natural conditions prevailing in districts, Agricultural Zonal Committees will be formed to protect the farmers from natural calamities.

Crop Insurance Scheme

- Crop Insurance scheme is being implemented in Tamil Nadu with a view to protect farmers from crop losses due to natural calamities such as drought, flood
- Considering the welfare of our farmers, the State Government has decided to continue to implement the Crop Insurance Scheme during 2021-2022 and allocated a sum of Rs. 2,327 crore.

Special scheme for Sugarcane Production

- The Sugarcane variety Co 86032 is being cultivated for more than 25 years in around 50 percent of the total Sugarcane area in Tamil Nadu leading to reduced recovery.
- This scheme will be implemented at an outlay of Rs. Two crore from State Government funds.

Promotion of fruit cultivation for fruitful income

- At National Level, Tamil Nadu stands seventh in production and eleventh in area under fruit crops.
- This scheme will be implemented at an outlay of Rs. 29.12 crore with State Government fund and the contribution of Union Government.

Chief Minister's Nutritive Vegetable Garden Scheme

- To enable the women to produce fresh and residue free vegetables at their households
- This scheme will be implemented at an outlay of Rs.95 crore with State Government fund and contribution of Union Government

Distribution of Two Lakh Nutritive kits for augmenting immunity

- This Government gives utmost care to the health of people.
- To improve immunity and to ensure nutritional security among the people,
- The scheme will be implemented at an outlay of Rs. 2.18 crore with State Government fund and contribution of Union Government.
- The nutritive garden kit consisting of carotene rich papaya, Vitamin C rich Acid lime, Iron rich Moringa - Curry leaves and other medicinal plants such as Karpooravalli, Thippili, Aloe vera and Mint will be distributed to two lakh families.
- Amla, known as "Power House of Vitamin C" will be cultivated in an area of 200 hectare. The Amla and other medicinal plants produced will be supplied to Tamil Nadu Medicinal Plant Farms and Herbal Medicine Corporation Limited (TAMPCOL)

Focus on Prime Horticulture Districts:

- Horticultural Go down will be constructed in the districts where horticultural crops are predominantly grown.
- Emphasis will be given for cultivation of Horticultural crops such as Greens and Chillies in Thiruvallur district, Cashew and Jack in Cuddalore district, Pepper and Onion in Namakkal district, Acid lime and Amla in Tenkasi district.
- This scheme will be implemented at an outlay of Rs.12.5 Crore with the funds from State and Union Governments.

Special Centre for Jack fruit in Cuddalore district

- A special centre for Jack fruit will be established at Panruti block in Cuddalore district.
- The above schemes will be implemented at an outlay of Rs. 5 crore with State Government fund and Union Government.

Government Horticulture Park at Vadalur

- There are 24 parks under the Department of Horticulture and Plantation Crops in Tamil Nadu.
- New Horticulture Park will be established in Vadalur Town Panchayat in Cuddalore District.
- This will be implemented at an outlay of Rs.1 crore with State Government fund.

Chief Minister's Scheme of Solar Powered Pumpsets

- The demand for electricity is increasing for well irrigation. Solar powered pumpsets are a boon to farmers to use pumpsets for irrigation.
- This scheme will be implemented at an outlay of Rs.114.68 crore with State, Union Government funds.

Creation of Farm ponds to catch the rain water in farm lands

‘இடியுடைப் பெருமழை எய்தா ஏகப்
பிழையா விளையுள் பெருவளம் சுரப்ப
மழைபிணித்(து) ஆண்ட மன்னவன்’

- The above quote in “சிலப்பதிகாரம்” (Silapathigaram) written by Ilangovadigal speaks about the king who ensures effective harvesting of rain water
- This new scheme will be implemented during this year at an outlay of Rs. Five crore with State Government fund.

Electric motor pumpsets with subsidy

- “இறைக்கிற கிணறு சுரக்கும்” means "The water of a well always drawn springs up a-fresh".
- In order to help the farmers to tap the ground water for irrigation, as per the Long Term Vision of the Hon“ble Chief Minister of Tamil Nadu, subsidy assistance of Rs.10,000/- will be extended for purchasing new electric motor pumpsets or for replacing the old inefficient electric motor pumpsets with new electric pumpsets to 1,000 farmers who own less than three acres of land.

- This subsidy scheme will be implemented at a total outlay of Rs. One crore with State Government fund.

Department of Agricultural Marketing and Agri Business

- “Uzhavar Sandhai” scheme was a brain child of Muthamizh Arignar Kalaignar who was the Chief Minister of Tamil Nadu in 1999.
- “Uzhavar Sandhai” was a huge success despite the prediction of those who were skeptical about its success. Small and Marginal Farmers enjoyed the freedom of selling their produce to the consumers directly, which insulated them from the clutches of exploitation.
- It has created a favourable environment for the sale of native vegetables, fruits and greens.

Renovation of farmer markets with modern facilities

- The Farmers' Market Scheme has made the people of Tamil Nadu realize that “Reasonable prices are not illusions but real”.
- This will be taken up at an outlay of Rs. 12.50 crore from State Government funds.

Conversion of Uzhavar Sandhai waste into Manure

- In Tamil Nadu, on an average 2,000 metric tons of fruits and vegetables are handled in all Uzhavar Sandhais.
- Cost of Rs. 2.75 crore will be provided to 25 Uzhavar Sandhais with heavy arrivals.

Establishment of new Uzhavar Santhais

- As the production of vegetables, fruits and other Agricultural produce increases, the produce should be marketed directly to all consumers to ensure that they are farm fresh and reach the market directly without any intermediaries and to ensure that farmers get profit, 10 numbers of small scale Uzhavar Santhais will be established in Town Panchayats and other urban areas of Cuddalore, Dindigul, Erode, Karur, Pudukkottai, Tirunelveli, Tiruchirappalli, Thanjavur, Vellore and Kallakurichi districts at an outlay of Rs. 6 crore from State Government funds.

Price Display at Uzhavar Santhais and Regulated Markets

- The price of produce in the farmers' market will be fixed and will be displayed on 35 a digital board at the entrance of the farmers' market for the benefit of consumers.
- In the first phase, 50 Uzhavar Sandhais and 50 Regulated Markets with heavy arrivals will be provided with digital boards at a cost of Rs. 2.30 crore.

Farm to Home- Sale of Farm fresh vegetables and fruits through Mobile Shops in Corporation areas

- Sale of farm fresh vegetables to the consumers at their door step by vehicles was taken up.
- A subsidy of 40 percent or Rs. 2 lakhs whichever is less will be provided to rural agricultural youth to purchase vehicles. For this, an amount of Rs. 60 Lakh will be allocated from the Tamil Nadu State Agricultural Marketing Board fund.

Establishment of Pepper processing Centre at Kolli hills, Namakkal District

- The Pepper produced in Kolli hills has a unique quality.
- It is produced in an organic way and has a niche market in international pepper trade.
- Cost of Rs.50 lakh with the Tamil Nadu State Agricultural Marketing Board fund.

Establishment of Integrated Rural Agricultural Market Complex at Edappally village, Nilgiris District

- Farmers of the Nilgiris district are constrained to sell their produce at the price fixed by the Traders in the Mandis.
- This will be established at a cost of Rs.2 crore with Union, State Government funds.

Creation of Infrastructure Facilities for Thalavadi Regulated Market in Erode District:

- Infrastructure such as storage godown, transaction shed, office building with meeting hall, electronic weigh bridge will be created in Thalavadi Regulated Market, Erode District.
- This will be implemented at a cost of Five crore Rupees with State Government funds.

Prosperity through Moringa Export -Special Export Zone for Moringa

- Among the various agricultural commodities produced in Tamil Nadu, Moringa has huge export potential at present.
- The major Moringa growing districts viz., Theni, Dindigul, Karur, Thoothukudi, Ariyalur, Tiruppur and Madurai will be declared as “Moringa Export Zone”.
- To increase the opportunities for Moringa export, a “Special Export Facilitation Center” will be established.
- This will be implemented in Madurai District at an initial cost of Rs. One crore with State Government fund.

Modern Marketing centre for Agriculture produce and value added products at Kolathur, Chennai.

- A ‘Modern Agricultural Marketing Centre’ will be set up at Kolathur in Chennai Corporation to make the farm fresh vegetables of the farmers available to the people of Chennai.
- The centre will be set up at a cost of One crore Rupees with State Government fund.

Getting Geographical indication for Unique crops of Tamil Nadu

- Special crop varieties such as Turmeric of Erode and Jasmine of Madurai have been given Geographical Indication (GI) Tag and these crops have fetched greater value in global markets.
- This scheme will be implemented at an outlay of Rs.50 Lakh with State Government fund.

Creation of Separate Organization for Food Processing

- The farmers are compelled to sell their produce at low prices even after putting in so much of hard work from sowing to harvest, and investing a huge amount.
- Besides, action will be taken to start Food Processing Incubation Centres in five locations Nagapattinam for Fish based products, Coimbatore for Coconut, Trichy for Banana, Erode for Turmeric and Virudhunagar for Millets to encourage entrepreneurs who come forward to start food processing business.

Budget allocation for strengthening the Agricultural Research and Education:

- A budgetary provision of Rs.573.24 crore will be allocated to Tamil Nadu Agricultural University for undertaking its mandated functions of education, research and extension through various constituent colleges and research stations in order to achieve higher agricultural production and to enhance farmers' welfare.

A new Horticulture College in Tamil Nadu

- In view of increasing importance and significance of horticulture in Tamil Nadu, a new Horticultural College will be inaugurated in an area of 150 acre at Jeenur, Krishnagiri District which is rich in Horticulture cultivation and successful in production as well as business of horticulture crops.
- This will fulfil the interests of students who are willing to learn horticulture.
- This will be implemented with an allocation of Rs.10 crore.

Remote Sensing in Agriculture

- Research will be taken up in remote sensing on crop area mapping, yield estimation, soils and land resources mapping and impact assessment of agricultural disasters.
- An amount of Rs.72 Lakh will be allocated to implement this programme.

Turmeric Research Centre in Erode District

- In Tamil Nadu, turmeric is cultivated in an area of 20,000 hectares with a production of around 96,000 metric ton and Tamil Nadu stands fifth at the National level.
- An amount of Rs.2 Crore will be provided by the State Government.

Nammazhvar Organic Farming Research Centre

- To undertake research on organic farming in various crops, a research centre in the name of Natural farming Scientist "Nammazhvar" will be created by expanding the existing Department of Sustainable Organic Agriculture functioning under Tamil Nadu Agricultural University, Coimbatore.
- An amount of Rs.3 Crore will be allocated initially from the State Government.

Mahatma Gandhi National Rural Employment Guarantee Scheme

- The Centrally Sponsored scheme Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) is the largest social security programme which provides legal entitlements and rights to the rural workers by way of strong legal framework.
- Under this, Tamil Nadu is having expenditure on agriculture and allied works at 80 percent.

National Rural Livelihood Mission

- Tamil Nadu Corporation for Development of Women under National Rural Livelihood Mission works for the cause of creating livelihood activities for rural poor for their economic upliftment.
- So far around 4,355 farmer producer groups have been formed and are in the process of converging into 76 Farmer Producer Organizations.
- Four Lakh Nutri gardens are being established in backyard of Self Help Group women households in the State.

Credit Cooperative Societies

- To promote the pledge loan facility, the go down facilities will be created and auction halls will be strengthened in Agricultural Produce Co-operative Marketing Societies at an outlay of Rs.4.69 Crore.

Sericulture

- To promote Sericulture which produces „Silk“, the Queen of clothes, an amount of Rs.75 lakh has been allocated to provide subsidy to farmers to take up Mulberry cultivation in 250 hectare.
- Drip Irrigation will be encouraged in Mulberry crop.

Animal Husbandry

- Livestock play a vital role in agriculture and food production.
- The survival of the entire human population depends on livestock.
- The livestock sector contributes to 41.58 percent of the State agriculture output.
- Under Tamil Nadu Irrigated Agriculture Modernization Project (TN-IAMP), Veterinary care activities are being carried out in 16 sub basin areas in 18 districts at a cost of Rs.11.81 crore.

Dairy Development

- Aavin procures a quantity of 41 lakh litres of milk daily and stands third at National level in milk procurement among the Co-operative Societies.
- An amount of Rs.14.28 Crore will be allocated to undertake these activities.

Fisheries and Fishermen Welfare (Inland Fisheries)

- To assist farmers in getting better income by taking up Pisciculture, fish seeds and fingerlings will be produced and sold in Government Fish Farms.
- Under Tamil Nadu Irrigated Agriculture Modernization Project (TNIAMP).
- Implemented in 34 sub basins at a total cost of Rs.10.99 crore.

Developing Tiruchirapalli - Nagapattinam as Agro Industrial Corridor

- In the Cauvery delta area covering Thanjavur, Tiruvarur, Mayiladuthurai, Nagapattinam and Trichy Districts, rice, pulses, banana, coconut etc are produced throughout the year.

PM Modi launches 2nd leg of Ujjwala scheme in Uttar Pradesh



- Prime Minister Narendra Modi is set to launch the second edition of the government's free LPG connection scheme called Ujjwala.
- The Second edition of this scheme was launched from poll-bound Uttar Pradesh on August 10.
- First version of the scheme was launched in 2016 from Uttar Pradesh.
- Launch of Ujjwala - 2 scheme will be marked by handing over of one crore additional LPG connection by Prime Minister through video conferencing at Mahoba district in Uttar Pradesh.

Cabinet nod for ₹11,040cr scheme to boost oil palm farming

Well-Oiled

National Mission on Edible Oils - Oil Palm is a centrally sponsored scheme

Of this, **₹8,844 cr** will be the share of Centre & **₹2,196 cr** of states

Focus is to increase area, productivity of oilseeds & palm oil

Spl focus will be on NE & Andaman and Nicobar Islands

Has outlay of **₹11,040 cr** for five-year period

This will increase capital investment, help generate employment, reduce dependence on imports and increase farmer income

Narendra Singh Tomar Agriculture Minister



- The Cabinet approved the 'National Mission on Edible Oils – Oil Palm (NMEO-OP)'".
- This approval was given in order to promote the domestic cultivation of oil palm in next five years.
- It will help in reducing India's dependence on imports.
- The decision was taken after Prime Minister Narendra Modi announced this new Central scheme on August 15.

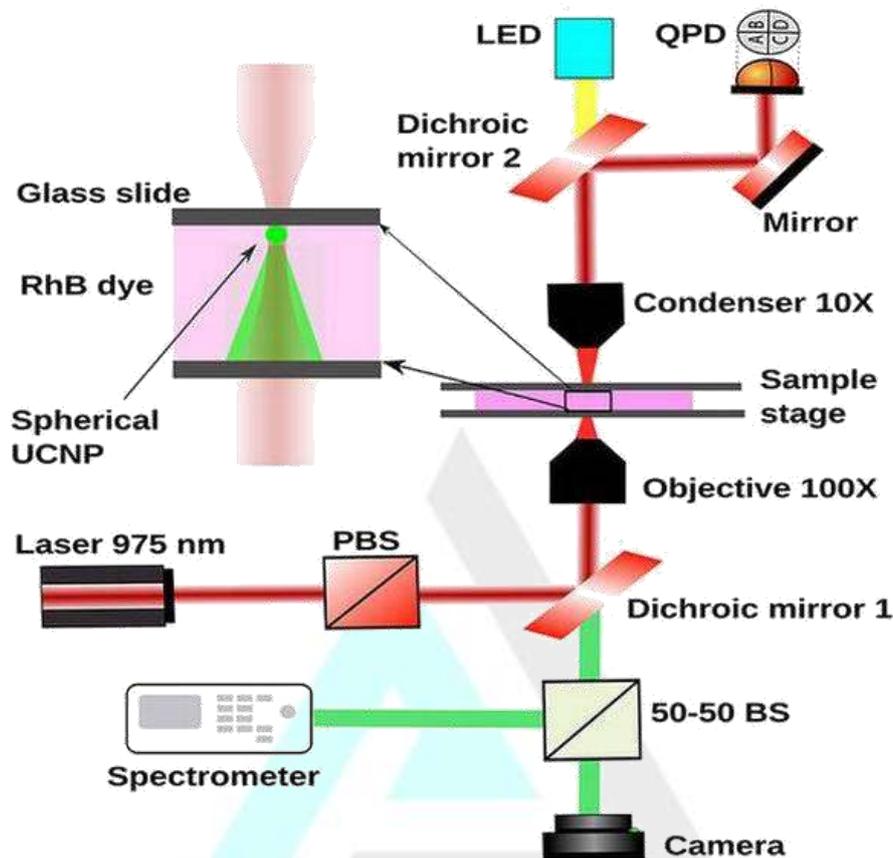
About the scheme

- The National Mission on Edible Oils is a centrally sponsored scheme.
- This scheme will subsume the "National Food Security Mission-Oil Palm programme.
- It was launched in line with the Aatma Nirbhar Bharat scheme.
- The National Mission on Edible Oil was launched with the aim of covering oil palm in an additional area of 6.5 lakh hectare by 2025-26.
- It seeks to reach the target of 10 lakh hectares.

India's ₹6 trillion asset monetization

- BJP government has informed in 2021-22 budget about monetising public sector assets to develop India's infrastructure.
- Finance Minister Nirmala Sitaraman has launched a 6-lakh crore worth National Monetisation Pipeline plan to privatise government assets including roads, railways, power generation and transmission, mining, aviation and others.
- The National Monetisation Pipeline is aimed to monetise the government assets in the next 4 years.
- Nirmala Sitaraman said, "Government assets that are not in use will be privatised under this plan. However, the ownership of the assets remains with the government. The assets are to be returned to the government once the agreed time expires. This plan monetises roads, railways, power generation and other such assets in the next four financial years".

New technique to study ultrasmall particles in cells



- Researchers from IIT Madras and IISER Kolkata have developed a method to detect minute quantities of chemicals in solution. They use a variation of absorption spectroscopy that surpasses the systemic limits imposed by conventional absorption spectroscopy. With this technique, they can, in principle, illuminate the insides of cells and detect minuscule quantities of substances present there. The work was published in *Nanoscale*.

“Gati Shakti” infrastructure plan:

- Announced by PM Modi on the eve of **Independence day**.

Highlights the scheme:

- Gati Shakti will be a **National Infrastructure Master Plan** for our country which will lay the foundation of holistic Infrastructure.
- This scheme of more than 100 lakh crores rupees will result in new employment opportunities for lakhs of youth.
- The plan will help raise the global profile of local manufacturers and help them compete with their counterparts worldwide.
- It also raises possibilities of new future economic zones.
- **Note:** A similar plan, called the National Infrastructure Pipeline was previously announced.

GSLV-F10 fails to put earth observation satellite in orbit due to 'tech anomaly'

GSLV-F10 / EOS-03

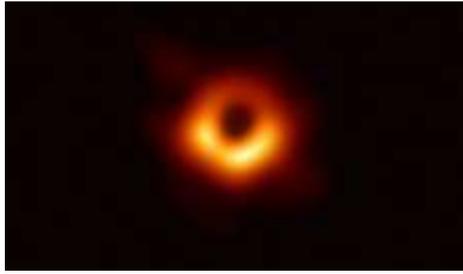


GSLV-F10 FLIGHT SEQUENCE

Events	Time	Inertial Velocity (m/s)
Strap-ons Ignition	-4.8 s	451.9
S139 Ignition	0	451.9
Strap-Ons Shut-off	2 min 29 s	2689.3
Second Stage Ignition	2 min 30 s	2689.9
First Stage Separation	2 min 31 s	2688.8
Payload Fairing Separation	3 min 55 s	3813.7
Second Stage Shut-Off	4 min 51 s	5187.6
Second Stage Separation	4 min 55 s	5206.5
Cryo Upper Stage Ignition	4 min 56 s	5206.0
Cryo Upper Stage Shut-Off	18 min 24 s	10204.9
Cryo Upper Stage Burn out	18 min 29 s	10204.6
EOS-03 Separation	18 min 39 s	10196.1

- India's attempt to place a geo-imaging satellite (GISAT-1) with its GSLV-F10-EOS-3 mission did not succeed.
- The GSLV-F10 rocket of the Indian Space Research Organisation (ISRO) was blasted off from the Satish Dhawan Space Centre at Sriharikota
- It had to launch the Earth Observation Satellite EOS-3 into space.
- The cryogenic upper stage ignition did not happen due to a technical anomaly and caused the failure.

Indian astrophysicists spot rare merger of three jumbo black holes



- A rare merging of three supermassive black holes has been spotted by a team of astrophysicists in India.
- All three merging black holes were part of galaxies in the Toucan constellation.
- The discovery was made using data from the
 - Ultraviolet Imaging Telescope (UVIT) onboard the first Indian space observatory ASTROSAT,
 - European integral field optical telescope called MUSE mounted on the Very Large Telescope (VLT) in Chile and
 - Infrared images from the optical telescope (IRSF) in South Africa.

India, U.K. to conduct clinical trials of 'Ashwagandha' for promoting recovery from COVID-19



- AYUSH Ministry is to conduct clinical trials of "Ashwagandha".
- It is to be done in the collaboration with UK's London School of Hygiene and Tropical Medicine (LSHTM).
- This Team will check its efficacy on COVID-19 infection.
- All India Institute of Ayurveda (AIIA) and LSHTM signed a memorandum of understanding to conduct clinical trials of Ashwagandha, recently.
- Clinical trials would be conducted in three UK cities namely Leicester, Birmingham and London.
- This is the first time Ministry of AYUSH has collaborated with foreign institution to check its efficacy on COVID-19 patients.
 - Ashwagandha is scientifically called as withania somnifera.
 - It is commonly called as 'Indian winter cherry'.

Saffron exports reached 13 crore in the last financial year ...!



- Saffron exports reached \$ 17.2 lakh (Rs 13 crore) in the last fiscal, according to the Union Ministry of Commerce.
- The ministry further stated in the statistics:
- In the financial year 2020-21, saffron was exported worth 17.2 lakh dollars.
- Its exports stood at \$ 9.2 lakh (Rs 7 crore) in the previous fiscal, 2019-20, and \$ 9.5 lakh in fiscal 2018-19.
- The Union Territory of Jammu and Kashmir is a major contributor to saffron exports. From here, saffron is exported in large quantities to the United States, the United Arab Emirates, Australia and the United Kingdom, according to the Ministry of Commerce.
- India produces about 4 to 5 tonnes of saffron a year. Of this, Pulwama district contributes more than 85 per cent.
- Until 2014, the Kashmir Valley produced 8 to 10 tonnes of saffron a year. In this situation, saffron cultivation was severely affected by the unpredictable floods of 2014.
- One kilogram of saffron requires 1,40,000 flowers. It is noteworthy that in 2020 Kashmiri saffron was given a geo-code.

Global warming

Alarm bells
A look at some of the observations and forecasts made by the panel on climate change

- Heatwaves and humid heat stress will become more intense and frequent over Southeast Asia during the 21st century
- Both annual and summer monsoon precipitation will increase, with enhanced interannual variability over Southeast Asia
- Heat extremes have increased while cold extremes have decreased, and these trends will continue over the coming decades
- Glacier run-off in the Asian high mountains will increase up to mid-21st century, and subsequently run-off may decrease due to the loss of glacier storage
- Relative sea level around Asia increased faster than global average, with coastal area loss and shoreline retreat. Regional mean sea level will continue to rise

Sunderbans is now drowning in plastic

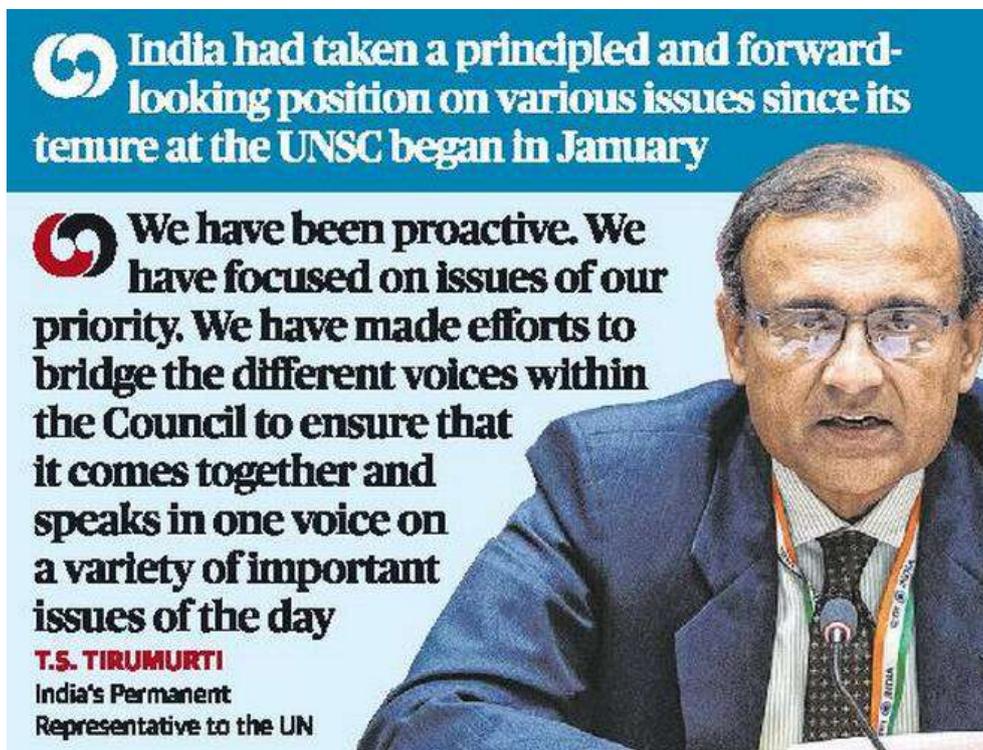


- Sunderbans has been battered by many cyclones over the years, with **Cyclone Yaas (May 2021)** being the latest.
- To support the affected people, **packaged relief material** has been flowing into the Sunderbans.
- Recently, several NGOs, experts, and even officials of the District Police and the Forest Department, have pointed out that the plastic accumulating in the isolated islands of the fragile ecosystem are **cause for great concern**.
- Tuhin Ghosh, director of the School of Oceanographic Studies, Jadavpur University, said that plastics would have a long-term ecological impact on the Sunderbans ecosystem.

7. NATIONAL NEWS

Activities which held up in India during August 2021

India all set for UNSC presidency term



- India will be the president of the United Nations Security Council (UNSC) for August month.
- The nation will host various events in the three major areas of fight against terrorism, maritime security and peacekeeping.
- S. Tirumurti India's permanent representative to the UN will hold a press conference on the Security Council's work plan for the month.
- On January 1, 2021 India's two-year term as a non-permanent member of the Security Council began.
- The August presidential term will be India's first chairmanship during its non-permanent membership of the Security Council in 2021-22.

India's First Earthquake Early Warning Mobile App

- On August 04, 2021, Uttarakhand Chief Minister Pushkar Singh Dhami launched the 'Uttarakhand Earthquake Alert' app to provide early warning of earthquakes in the state.
- This is the country's first early warning mobile application, which can alert users before an earthquake. With this, Uttarakhand has become the first state in the country to launch an earthquake alert app.
- This app has been developed by Uttarakhand State Disaster Management Authority and Indian Institute of Technology, Roorkee.
- The path-breaking application is called 'Uttarakhand Bhookamp Alert' and has been developed by IIT Roorkee.

INS TABAR reaches stockholm, Sweden



- After participating in the 325th Russian Navy Day at St Petersburg INS Tabar arrived at Stockholm, Sweden on 29 Jul for a three day goodwill visit.
- During the stay in Stockholm the ship's crew will participate in various bilateral professional interactions with the Swedish Navy and also undertake a Maritime Partnership Exercise at sea with the Swedish Navy on departure from Stockholm.

India's first home built aircraft carrier commences sea trials, to be commissioned next year



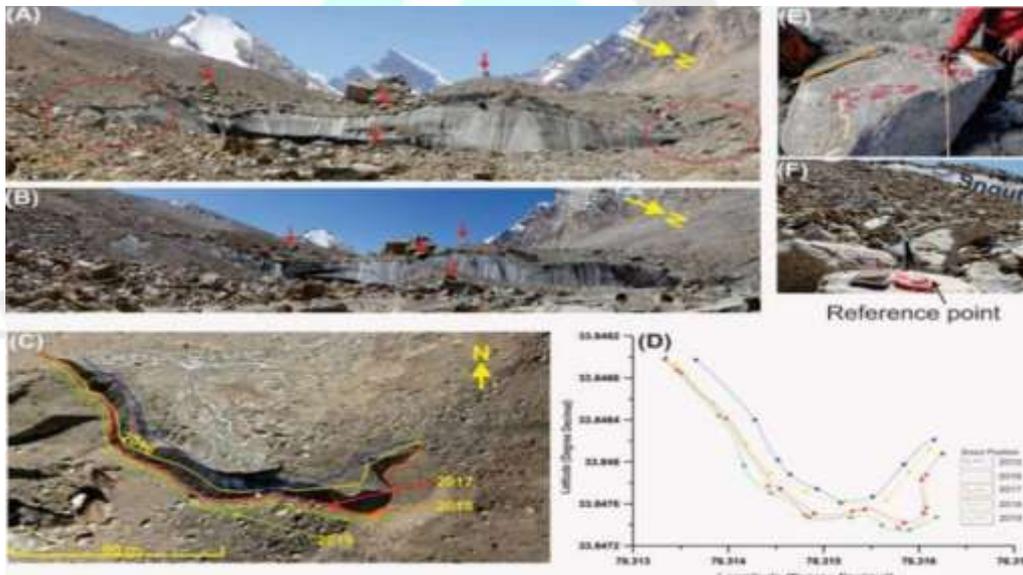
- India's first home built **aircraft carrier** has commenced sea trials, marking the most important milestone before its entry into service with the Navy next year. To be named the **INS Vikrant**, the Indigenous Aircraft Carrier (**IAC**) will undergo a series of contractor sea trials in the coming months to validate the functioning of all systems, before being handed over to the Navy for acceptance trials by early next year.
- This is the first time that the IAC - the largest ever warship built by India - is going to sea to prove that it can deliver what is has been designed for. Trials involving landing and take off by MiG 29K fighters is expected to take time as other systems, like propulsion and navigation will first be rigorously tested.

Have not located Dara Shikoh's grave, says Archaeological Survey of India



- Govt. had formed a committee to locate the grave in Humayun's Tomb complex in 2020
- The final resting place of Mughal prince Dara Shikoh remains a mystery, with the Archaeological Survey of India saying it has not located the grave within the Humayun's Tomb complex over a year after a committee was formed for the job.

Glaciers are retreating in Ladakh due to warmer, drier winters, says new study



- A new research has brought to light recent reduction in the volume of the Pensilungpa Glacier in Zaskar, Ladakh, is disappearing, according to new research. The retreat is due to a rise in temperature and a decrease in precipitation during the winter months.
- The news climate change related development has been highlighted by the Wadia Institute of Himalayan Geology (WIHG), Dehradun, which has been working on different elements of glaciology since 2015.
- A group of experts from the institute went to Zaskar, Ladakh, in the Himalayas to research a less-explored region.

Government tells States to stop using national flags made of plastic

- 'Appropriate disposal of a flag made of the non-biodegradable item a practical problem'
- Ahead of the Independence Day celebration, the Union government has asked States to ensure that people don't use plastic national flags as ensuring the appropriate disposal of a Tricolour made of the non-biodegradable item was a practical problem.
- In a communication to all States and Union Territories, the Union Home Ministry said the national flag represented the hopes and aspirations of the people of the country and, hence, should occupy a position of honour. "There is universal affection and respect for, and loyalty to, the national flag. Yet, a perceptible lack of awareness is often noticed amongst people as well as organisations/agencies of the government, in regard to laws, practices and conventions that apply to display of the national flag," it said.
- A copy each of 'The Prevention of Insults to National Honour Act, 1971' and the 'Flag Code of India, 2002', which govern the display of the national flag, was also enclosed along with the Home Ministry letter.

India to launch Rs 11,000-credible oil mission: PM

- Prime Minister Narendra Modi has announced this new national initiative on palm oil production to help increase farm incomes.
- Aims and Objectives of the scheme are given below,
 - Achieve self-reliance in edible oil.
 - Harness domestic edible oil prices that are dictated by expensive palm oil imports.
 - To raise the domestic production of palm oil by three times to 11 lakh MT by 2025-26.
- The special emphasis of the scheme will be in India's north-eastern states and the Andaman and Nicobar Islands.
 - India is the largest consumer of vegetable oil in the world
 - Palm oil is currently the world's most consumed vegetable oil.

Amidst Opposition Protests, Lok Sabha Passes 3 Bills, 3 Others Introduced

- The bills that were passed amid the din were --The Limited Liability Partnership (Amendment) Bill 2021, The Insurance and Credit Guarantee Corporation (Amendment) Bill 2021 and The Constitution (Scheduled Tribes) Order (Amendment) Bill 2021.

President Kovind grants assent to OBC Bill

- President Ram Nath Kovind has granted assent to the OBC Amendment Bill passed in the Parliament and this bill has become law. Now the states will be able to prepare the list of OBC castes.
- On August 11, the OBC Amendment Bill was passed in Parliament. On August 10, the 127th Constitutional Amendment Bill related to Other Backward Classes (OBC) was passed in the Lok Sabha with a two-thirds majority.
- This bill was supported by the entire opposition including Congress, SP, and BSP. During the division of votes regarding the bill, a total of 385 members voted in its favor, while not a single vote was cast against it.
- Notably, the OBC Amendment Bill, 2021 was introduced by the Central Government in the Lok Sabha on August 9. This bill related to giving the states the right to prepare the list of Other Backward Classes also got the support of the opposition.
- In May, the Supreme Court, while rejecting the demand to hear a petition related to reservation, said that after the 102nd Constitutional Amendment, the right to make a list of OBCs is not with the states, but with the Centre. After this, the central government took the initiative to bring the 127th Constitution Amendment Bill to give the states the right to decide the OBC list.

Rajya Sabha clears general insurance bill amid shocking scenes

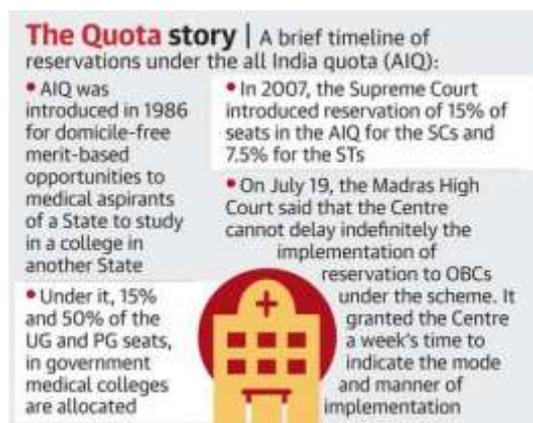
- The Parliament had passed this bill recently.
- The bill seeks to amend the Deposit Insurance and Credit Guarantee Corporation Act, 1961.
- The Bill seeks to provide depositors time-bound access to their insured deposit amount, in case they are restricted from accessing their bank deposits.
- It provides that the Corporation will be liable to pay the insured deposit amount to depositors on an interim basis.
- The Bill mandates the Corporation to pay the insured amount to the depositors within 90 days of the date such liability arises.
- Speaking on the Bill, Finance Minister Nirmala Sitharaman said that insurance cover limit has been raised from one lakh to five lakh.

Ban on production of specific plastic goods from July 2022



- Come July next year, the manufacture of a range of plastic products will be banned. These include ear buds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, thermocol for decoration, plates, cups, glasses, cutlery such as forks, spoons, knives, straws, trays, wrapping or packing films around sweet boxes, invitation cards, and cigarette packets, plastic or PVC banners less than 100 microns, and stirrers.
- The Environment Ministry notified the Plastic Waste Management Amendment Rules, 2021, which prohibits specific single-use plastic items which have “low utility and high littering potential” by 2022.
- Plastic packaging waste isn't yet covered under the phase-out of single-use plastic items. The Environment Ministry told the Rajya Sabha in July of its proposal to phase out some categories of single use plastic by 2022.
- A draft outlining the way forward was issued in March and involved amending the Plastic Waste Management Rules, 2016. Currently the Plastic Waste Management Rules, 2016, prohibits manufacture, import, stocking, distribution, sale and use of carry bags and plastic sheets less than 50 microns in thickness in the country. There is a ban on sachets using plastic material used for storing, packing or selling gutkha, tobacco and pan masala.
- At the 4th United Nations Environment Assembly in 2019, India piloted a resolution on addressing single-use plastic products pollution.
- The Environment Ministry said in a note that the waste management infrastructure in the States and UTs was being strengthened through the Swachh Bharat Mission. They had been “requested” to constitute a Special Task Force for elimination of single use plastics and effective implementation of Plastic Waste Management Rules, 2016. A National Level Taskforce had also been constituted by the Ministry for taking coordinated efforts to eliminate identified single use plastic items and effective implementation of Plastic Waste Management Rules, 2016.

OBC students to get 27% reservation, 10% to EWS students in UG-PG, medical, dental courses: Govt



- The centre has announced 27% reservation for OBCs and a 10% quota for students from the economically weaker sections (EWS) for undergraduate and postgraduate medical and dental courses under the All-India Quota (AIQ) scheme.
- Under the AIQ scheme, 15% of seats at the UG level and 50% seats at the PG level are kept domicile free in government medical and dental colleges against which students from other states to are offered admission.
- While the rest of the seats are kept only for students from within the state.
- The AIQ scheme was introduced in 1986 under the direction of the Supreme Court.

Vande Bharat trains

- Prime Minister Narendra Modi announced that 75 'Vande Bharat' trains will connect different parts of the country in 75 weeks.
- This is to mark the ongoing 'Azadi ka Amrit Mahotsav'.
- 'Azadi ka Amrit Mahotsav' is the central government's initiative to mark 75 years of Independence from British rule.
- Vande Bharat is an indigenous semi-high speed train set.

NPS rules changed: Entry age increased, exit norms revised.

- PFRDA has revised the guidelines on entry and exit following an increase in the maximum age for joining the NPS from 65 years to 70 years of age
- The entry age for NPS has been revised to 18-70 years from 18-65 years
- In a huge relief to pension subscribers in National Pension Scheme (NPS), the Pension Fund Regulatory and Development Authority (PFRDA) has revised the rules for those joining it after 65 years of age. In a set of new rules, PFRDA has permitted them to allocate up to 50% of the funds in equity, besides easing the exit norms.
- The pension fund has revised the guidelines on entry and exit following an increase in the maximum age for joining the NPS from 65 years to 70 years of age. The entry age for NPS has been revised to 18-70 years from 18-65 years.

34 states/UTs now implementing ration card scheme: govt

- With **West Bengal** and **Delhi** coming onboard, the number of states implementing the **One Nation One Ration Card scheme** has gone up to 34, covering almost 94.3 per cent of National Food Security Act beneficiaries, the Union Ministry of Consumer Affairs, Food and Public Distribution said.
- In a statement, the Ministry said, “Under One Nation One Ration Card (ONORC) which was running successfully in 32 states/UTs till December 2020, has now become operational in two more states/UTs-Delhi and West Bengal till August 2021 thereby, expanding the scheme to 34 states/UTs covering nearly 75 Crore beneficiaries (almost 94.3% NFSA population).”
- “Two remaining states -Assam and Chhattisgarh are targeted for integration under ONORC in the next few months,” the statement said.
- While Delhi operationalized the ONORC from July 23, West Bengal has done the same with effect from August 13, said an official.
- The development comes after the Supreme Court, on June 29, directed all states and Union Territories to implement the ONORC system which allows for inter- and intra-state portability, by July 31.
- The ONORC scheme is aimed at enabling migrant workers and their family members to buy subsidized ration from any fair price shop anywhere in the country under the Food Security Act of 2013. It was launched in August 2019.
- According to the Union Food Ministry, a monthly average of about 2.2 crore portability transactions (including inter-/intra-State and PM-GKAY foodgrain transactions) are being recorded across the states and Union Territories at present.
- As far as the inter-state portability of the ration cards is concerned, Delhi, Haryana, Maharashtra and Gujarat are the top four destination states which have recorded the maximum number of inward transactions since the inception of the scheme, the ministry said.
- However, the maximum number of outward transactions have been recorded in Uttar Pradesh, Bihar, Maharashtra, Andhra Pradesh and Karnataka.

ICGS Vigraha



- The **Offshore Patrol Vessel (OPV) Indian Coast Guard Ship (ICGS) Vigraha** was commissioned into the **Indian Coast Guard (ICG)**.
- It is the **last vessel in the series of seven OPVs** built by **Larsen & Toubro (Private Company)** under an **Ministry of Defence contract signed in 2015**.
- In **May 2021, OPV Sajag** was commissioned into the **ICG**.
- It is about **98 metres long, 15 metres wide, has 3.6 metres draught**, with **2,140 tonnes displacement** and a range of **5,000 nautical miles**.
- It can **attain a sustained speed of up to 26 knots**.
- It is **fitted with advanced technology radars**, navigation & communication equipment, sensors and machinery capable of operating in tropical sea conditions.
- It is also **equipped with an integrated bridge system**, integrated platform management system, automated power management system and high-power external fire-fighting system.
- It is **armed with a 40/60 Bofors gun** and fitted with two **12.7 mm Stabilised Remote Control Gun** with fire control system.

Sports Minister Shri Anurag Singh Thakur launched the Fit India Mobile App on National Sports Day



- Sports Minister Anurag Thakur launched the **Fit India mobile app**, a personal trainer-cum-fitness guide, on the occasion of the second anniversary of the **Fit India Movement** here.

8. INTERNATIONAL NEWS

Activities which held up out of Nation

Malabar naval exercise with Quad nations to begin on August 26



- The Quad countries – India, the US, Australia and Japan – will conduct the 25th edition of the Malabar naval exercise from August 26 to 29 off the coast of Guam.
- The aim of the exercise is to increase interoperability amongst the participating navies, develop a common understanding and Standard Operating Procedures (SOPs) for maritime security operations and for the navies to operate as a team to meet the challenges in the maritime domain.
- The Navy mentioned that the INS Shivalik multirole frigate, the INS Kadmatt anti-submarine warfare corvette, and P8I long-range maritime patrol aircraft will be part of the exercise.

UNSC adopts resolution (1267) on Afghanistan

- The United Nations Security Council, under the Presidency of India, adopted a resolution on the situation in Afghanistan.
- The resolution demanded that Afghanistan is not be used to threaten or attack any nation or shelter terrorists.
- The Resolution was put forward by the US, UK and France.
- It was adopted with the votes of 13 Council members in favour.
- The Permanent members Russia and China abstained from the voting.

First road-rail transport link to Indian Ocean

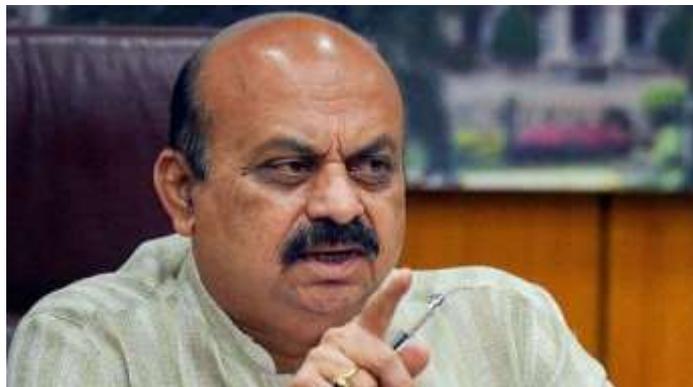


- The first shipments on a newly-launched railway line from the Myanmar border to the key commercial hub of Chengdu in western China was made recently.
- This project provides China a new road-rail transportation channel to the Indian Ocean
- The transport corridor involves a sea-road-rail link.
- This passage connects the logistics lines of Singapore, Myanmar and China.
- It is currently the most convenient land and sea channel linking the Indian Ocean with southwest China.

9. OTHER STATE NEWS

Activities which held up in other states of India

Karnataka Cabinet: 29 ministers inducted, no deputy CM this time.



- Karnataka chief minister Basavaraj Bommai expanded his Cabinet by inducting 29 ministers. Among the BJP MLAs who took oath were R Ashok, B Sriramulu, Govind Karjol and KS Eshwarappa. The legislators were administered the oath of office by Karnataka Governor Thawar Chand Gehlot at a swearing-in ceremony held at Raj Bhavan.
- Ahead of the oath-taking ceremony, Bommai said that the new Cabinet will have seven Other Backward Class (OBC), 3 scheduled Caste (SC), one Scheduled Tribe (ST), seven Vokkaligas, eight Linagayats, one Reddy and one woman will be a part of the new state cabinet. He had also informed that there would be no deputy chief minister in the council of ministers this time.

Kaziranga guards equipped with satellite phones



- Kaziranga National Park (KZP) in Assam has become the first National Park in India to be equipped with satellite phones.
- In a first-of-its-kind move to provide assistance to prevent poaching and ensure coordinated functioning.
- BSNL will be the service provider and the park authorities will bear the monthly expenses.

India's cleanest city is now the country's first 'water plus' city



- Indore, the country's cleanest city, has now been declared as the first 'water plus' city of India under the Swachh Survekshan 2021, Madhya Pradesh Chief Minister Shivraj Singh Chouhan said on Wednesday. "Heartiest congratulations to the citizens of Indore as it becomes the first SBM (Swachh Bharat Mission) Water certified city under #SwachhSurvekshan2021. Indore has been an example for the whole nation for its determination and dedication towards cleanliness. May it continue to bring glory to the state," Chouhan said in a tweet.

Maldives signs largest-ever infrastructure project with AFCONS



- Maldives government has officially signed an agreement with Mumbai-based company AFCONS, for the construction of the Greater Male Connectivity Project (GMCP).
- This infrastructure project is the largest-ever by India in the Maldives.
- It involves the construction of a 6.74-km-long bridge and causeway link that will connect the Maldives capital Malé with the neighbouring islands of Villingili, Gulhifalhu and Thilafushi.
- This project was funded by India in a grant of \$100 million, with a line of credit of \$400 million.
- The Line of Credit is not a grant but a 'soft loan' provided on concessional interest rates to developing countries, which has to be repaid by the borrowing government.

10. SPORTS NEWS

Its about sports and gaming

India glows in Neeraj's historic gold in track and field



Historic throw

NEERAJ CHOPRA ENDS INDIA'S 100-YEAR-OLD WAIT FOR A MEDAL IN ATHLETICS BY WINNING GOLD IN THE JAVELIN THROW AT THE TOKYO OLYMPICS

TOP 3 FINISHERS

Neeraj Chopra (Ind)
87.58m

Vadlejch Jakub (Czech Republic)
86.67m

Vesely Vitezslav (Czech Republic)
85.44m

NEERAJ'S TROPHY CABINET

- Gold in Asian Games 2018
- Gold in Commonwealth Games 2018
- Gold in Asian Athletics Championships 2017
- Gold in World U-20 Athletics Championships 2016
- Gold Medal, South Asian Games 2016
- Current National Record Holder (**88.07m - 2021**)
- Current World Junior Record Holder (**86.48m - 2016**)

THE ONLY TWO MEDALS - TWO SILVER - INDIA OWN IN ATHLETICS WAS BY NORMAN PRITCHARD,

THE LONE ATHLETE WHO REPRESENTED INDIA IN 1990 OLYMPICS. THE BRITISH INDIAN WON SILVER IN 200M HURDLES AND 200M SPRINT

This gold is India's seventh medal and first gold in this Olympics. India has 2 silver and 4 bronze	MEDALS TALLY					
	R	C	G	S	B	T
1	China	38	31	18	87	
2	USA	36	39	33	108	
3	Japan	27	12	17	56	
4	ROC	20	26	23	69	
5	Britain	20	21	22	63	
6	Australia	17	7	22	46	
7	Germany	10	11	16	37	
8	Netherlands	10	11	12	33	
9	Italy	10	10	19	39	
10	France	9	12	11	32	
47	India	1	2	4	7	

* (R) Rank (C) Country (G) Gold (S) Silver (B) Bronze (T) Total

- Neeraj Chopra has won a gold medal for India in the javelin throw event at Tokyo Olympics.
- The 87.58m throw got the Gold medal for him.
- This was also India's first gold medal since shooter Abhinav Bindra's won the 10m air rifle gold in 2008.
- Neeraj Chopra won the independent India's first-ever athletics medal.
- He is from Panipat, Haryana.
- With Neeraj's gold, India ended its campaign at the XXXII Olympiad with seven medals.
- This is the country's best performance at the Summer Olympic Games.

Lovlina Borgohain wins bronze after losing in semis to world champion



- Lovlina Borgohain finished her Tokyo Olympics campaign with a bronze after losing in the semifinals to reigning World Champion and top seed Busenaz Surmeneli in the women's welterweight division.
- Lovlina becomes the third Indian boxer to win an Olympic medal, after Vijender Singh (men's middleweight bronze, Beijing 2008) and MC Mary Kom (women's flyweight bronze, London 2012)

Bajrang Punia wins bronze in Tokyo 2020: Every athlete dreams of winning an Olympic medal



- Bajrang Punia beat Daulet Niyazbekov 8-0 by technical superiority
- Bajrang's bronze is the 7th medal in wrestling at the Olympics for India
- India has matched its best-ever Olympic performance with Bajrang Punia's bronze medal

With 7 medals, India records its best-ever haul at Tokyo Olympics.

Countries		Athletes			
Country		1	2	3	
1	United States	39	41	33	113
2	China	38	32	18	88
3	Japan	27	14	17	58
4	Great Britain	22	21	22	65
48	India	1	2	4	7

- The international multi-sport event was held from July 23 to August 08, 2021, in Tokyo, Japan.
- This was for the fourth time that Japan hosted the Olympic Games, after previously hosting the Tokyo 1964 (Summer), Sapporo 1972 (Winter), and Nagano 1998 (Winter) games.
- Apart from this, Tokyo is the first Asian city to hold the Summer Games twice.
- The United States has topped the overall medal table with 113 medals.
- Indian Contingent managed to win 7 medals comprising 1 Gold, 2 Silver and 4 Bronze Medals.
- The country stood at the 48th position in the medal table out of 86 countries.
- It is the highest ranking in over four decades.
- Bronze-medallist Bajrang Punia was the flag-bearer at the closing ceremony of the event.

National Javelin Day

- The Athletics Federation of India has announced that August 7 each year would be celebrated as National Javelin Throw Day with competitions in all States and Union Territories to commemorate Neeraj Chopra's feat of winning the country's first athletics gold medal in the Olympic Games in Tokyo
- "We will celebrate August 7 as National Javelin Day from next year to mark Neeraj's victory. All our affiliated units will hold Javelin competitions in the respective States (and Union Territories). And a year later, we will get all our 600-plus district units also to have similar competitions on August 7.

ICC to push for cricket's Olympics return

- The International Cricket Council has confirmed it will campaign for the inclusion of the sport at the 2028 Los Angeles Olympics.
- Cricket, till now, has made just one appearance in the Olympics.
- It happened in 1900 in Paris.
- Great Britain and France were the only two teams that participated in this.

Tokyo Paralympics: Tek Chand leads India's charge during opening ceremony



- Tek Chand carried the tri-colour as India made its way during the Opening Ceremony of Tokyo 2020 Paralympics at the Japan National Stadium. Tek Chand was India's flag-bearer at the Tokyo Paralympics opening ceremony after Thangavelu Mariyappan was quarantined following close contact with a COVID-19 positive person on their flight to Tokyo.
- The Tokyo 2020 Paralympic Games will take place between August 24 and September 5 and will feature 539 medal events across 22 sports. A total of 54 para-athletes from India across nine sports disciplines will be featuring in the Paralympic Games. This is India's biggest ever contingent to the Games.

James Anderson overtakes Anil Kumble to become third-leading wicket-taker in Tests



- **James Anderson** overtook **Anil Kumble's** tally of **619 Test wickets** to become the **third-highest** wicket-taker in Test cricket.
- He achieved this huge feat after **KL Rahul** knocked one to wicket-keeper **Jos Buttler**. His current wickets tally stands at **621 from 163 Tests**.
- Anderson is currently the highest wicket-taker among the fast bowlers and is the only pacer in the 600 club. He achieved the milestone on the 3rd day of the **Nottingham Test against India**.

Tokyo Paralympics 2020: India finishes 24th with record 19 medals



- **India** finished their campaign at the **Tokyo Paralympics 2020** with an all-time high of **19 medals** which includes five gold, eight silver, and six bronze. This is the best medal tally for India a single edition of the Paralympic Games. India is placed at **24th position** in the overall medal tally out of a total of **162 nations**.

Indian Flag Bearers:

- Javelin thrower **Tek Chand** was the flag bearer at the opening ceremony of the Tokyo Paralympics.
- Shooter **Avani Lekhara** was India's flag-bearer at the closing ceremony.

India at Paralympics 2020:

- India sent its biggest ever contingent of **54 para-athletes** at Tokyo Paralympics to compete across as many as 9 sporting disciplines at the Games.
- Prior to this, India had won a total of 12 Paralympics medals, since making its first appearance at the Paralympics in 1968, till the 2016 Rio.
- The Indian theme song of Paralympics 2020 "**Kar de kamaal tu**". The composer and singer of the song is **Sanjeev Singh**, a Divyang cricket player from Lucknow.

List of Indian medallists winners of Tokyo Paralympics 2020:

Gold

- Athletics: **Sumit Antil (Men's Javelin Throw)**
- Badminton: **Pramod Bhagat (Men's Singles)**
- Badminton: **Krishna Nagar (Men's Singles)**
- Shooting: **Manish Narwal (Mixed 50m Pistol)**
- Shooting: **Avani Lekhara (Women's 10m Air Rifle Standing)**

Silver

- Athletics: **Yogesh Kathuniya** (Men's Discus Throw)
- Athletics: **Nishad Kumar** (Men's High Jump)
- Athletics: **Mariyappan Thangavelu** (Men's High Jump)
- Athletics: **Praveen Kumar** (Men's High Jump)
- Athletics: **Devendra Jhajharia** (Men's Javelin Throw)
- Badminton: **Suhas Yathiraj** (Men's Singles)
- Shooting: **Singhraj Adhana** (Mixed 50m Pistol)
- Table Tennis: **Bhavina Patel** (Women's Singles)

Bronze

- Archery: **Harvinder Singh** (Men's Individual Recurve)
- Athletics: **Sharad Kumar** (Men's High Jump)
- Athletics: **Sundar Singh Gurjar** (Men's Javelin Throw)
- Badminton: **Manoj Sarkar** (Men's Singles)
- Shooting: **Singhraj Adhana** (Men's 10m Air Pistol)
- Shooting: **Avani Lekhara** (Women's 50m Rifle 3 Positions)

Important takeaways from Tokyo Paralympics:

- Tokyo Paralympics was the **16th** Summer Paralympic Games, held in Tokyo, Japan from **August 24, to September 05, 2021**.
- **Badminton and Taekwondo** were inducted for the first time in Tokyo Paralympics.
- Team **China** topped the final medal tally at Tokyo Paralympic Games. The country won a total of **207 medals** (96 golds, 60 silvers and 51 bronzes). **United Kingdom (124)** gets the second position followed by the **USA(104)**.
- This is the fifth consecutive time **China** dominated Paralympic Games in both gold medal tally and overall medal tally.
- The closing ceremony was entitled '**Harmonious Cacophony**' and involved both able-bodied actors and others with disabilities. The theme was described by organizers as a '**world inspired by the Paralympics, one where differences shine**'

11. IMPORTANT DAYS

Its about significance of special days

World Breastfeeding Week 2021: 01 – 07 August



- The **World Breastfeeding Week (WBW)** is marked every year in the first week of August, between **1 to 7 August**, to raise awareness on the importance of breastfeeding for mothers and infants.
- The theme of the World Breastfeeding Week 2021 is **“Protect Breastfeeding: A Shared Responsibility”**. The annual week is organized by WABA, WHO and UNICEF since 1991.
 - World Alliance for Breastfeeding Headquarters: Penang, Malaysia;
 - World Alliance for Breastfeeding Founder: Anwar Fazal;
 - World Alliance for Breastfeeding Founded: 14 February 1991.

International Day of the World’s Indigenous Peoples: 9 August



- United Nations observes the **International Day of the World’s Indigenous Peoples** on **09th August** every year. The day is being observed to protect the rights of the world’s indigenous population and recognize the achievements and contributions that indigenous people make to improve world issues such as environmental protection. The theme for 2021 is **“Leaving no one behind: Indigenous peoples and the call for a new social contract.”**
- The day was recognised by the General Assembly of the **United Nations in December 1994**. The date to marks the day of the inaugural session of the Working Group on Indigenous Populations at the **United Nations in 1982**.

World Lion Day: 10 August



- **World Lion Day** is observed globally on **August 10** every year. World Lion Day is marked to raise awareness about the king of beasts and the efforts undertaken for their conservation. Owing to their courage, intelligence, strength, and magnificence, lions often feature on national flags, and royal symbols and emblems to represent command, power or authority across cultures. World Lion Day was launched in **2013**.
 - International Union for Conservation of Nature Headquarters: Gland, Switzerland;
 - International Union for Conservation of Nature CEO: Bruno Oberle;
 - International Union for Conservation of Nature Founder: Julian Huxley;
 - International Union for Conservation of Nature Founded: 5 October 1948.

World Biofuel Day: 10 August



- **World Biofuel Day** is observed on **August 10** every year. The day is celebrated to raise awareness about the importance of non-fossil fuels as an alternative to conventional fossil fuels and highlight the various efforts made by Government in the biofuel sector.
- The development of biofuels is in sync with schemes such as **Swachh Bharat Abhiyan** and **Atmanirbhar Bharat Abhiyan**. World Biofuel Day was first observed by the **Ministry of Petroleum and Gas** in August **2015**.

World Elephant Day: 12 August



- **World Elephant Day** is observed every year on **August 12** worldwide for the preservation and protection of the global elephants. The main objective of World Elephant Day is to create awareness on elephant conservation and to share knowledge and positive solutions for the better protection and management of wild and captive elephants.
 - The World Elephant Day was initiated on **August 12, 2012**, when Thailand-based Elephant Reintroduction Foundation teamed up with Canadian filmmaker **Patricia Sims**. This is not just a day but a movement in itself. Since 2012, Ms Sims has been leading World Elephant Day.

International Youth Day: 12 August



- The **International Youth Day** is observed on **August 12** annually to draw the attention of governments and others towards youth issues worldwide. This day is celebrated to recognize the efforts put in by the youth for the betterment of society. The Day aims to promote the ways to engage the youth and make them more actively involved in their communities through positive contributions.
- The theme of International Youth Day 2021, **“Transforming Food Systems: Youth Innovation for Human and Planetary Health”**. The theme highlights the ways in which the engagement of young people at the local, national and global levels is enriching national and multilateral institutions and processes, as well as draw lessons on how their representation and engagement in formal institutional politics can be significantly enhanced.

International Lefthanders Day: 13 August



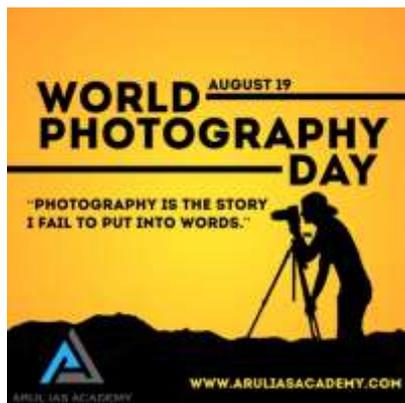
- The **International Left-Handers Day** is observed on **August 13** every year to celebrate the uniqueness and differences of the left-handers and raise awareness of the advantages and disadvantages of being left-handed in a predominantly right-handed world.
- Left-handers are likely to have better verbal skills than their right-handed counterparts, according to a 2019 study by Oxford University.

World Organ Donation Day: 13 August



- **World Organ Donation Day** is celebrated every year on **August 13**. The day is celebrated to raise awareness about the importance of organ donation and motivate people to donate organs after death. The day provides an opportunity to all to come ahead and pledge to donate their precious organs because one organ donor can save up to eight lives.
 - Organ donation is retrieving a donor's organ like **heart, liver, kidneys, intestines, lungs, and pancreas** after the donor is deceased and then transplanting into another person who is in need of an organ.

World Photography Day: 19 August



- **World Photography Day** is celebrated on **19 August** every year to promote photography as a hobby and also inspire photographers around the globe to share a single photo with the rest of the world. The first official World Photo Day was observed on **August 19, 2010**.
 - The origin of World Photo Day comes from the invention of the Daguerreotype, a photographic process developed by **Frenchmen Louis Daguerre** and **Joseph Nicéphore Niépce** in 1837. It was on **August 19, 1939** that the French government purchased the patent of Daguerreotype process and announced the invention as a gift “**free to the world**”.

World Humanitarian Day: 19 August



- **World Humanitarian Day (WHD)** is observed every year on **19 August** to pay tribute to humanitarian personnel and those workers who lost or risked their lives while doing humanitarian service. In 2021 we are celebrating the **12th** WHD.
- The theme for 2021 WHD is **#TheHumanRace: a global challenge for climate action in solidarity with people who need it the most**.
 - 19 August marks the day on which the then Special Representative of the Secretary-General to Iraq, **Sérgio Vieira de Mello** and 21 of his colleagues were killed in the bombing of the UN Headquarters in **Baghdad**. World Humanitarian Day was commemorated for the first time on **19 August 2009**, after it was formally recognised by the **United Nations General Assembly in 2009**.

World Mosquito Day: 20 August



- **World Mosquito Day** is observed on **20 August** annually to raise awareness about the causes of malaria and how it can be prevented.
- This day is observed to highlight the efforts of healthcare officials, NGOs, and others in fighting diseases caused by malaria.
- On World Mosquito Day every year, awareness is created around diseases caused by mosquitoes.
- This year amid the coronavirus pandemic, the theme of World Mosquito Day 2021 is “**Reaching the zero-malaria target**”.
- There are several different mosquitoes that act as vectors for different diseases. Aedes mosquitoes cause chikungunya, dengue fever, lymphatic filariasis, rift valley fever, yellow fever, and zika. Anopheles cause malaria, lymphatic filariasis (in Africa).
 - The day also commemorates the discovery made by British doctor **Sir Ronald Ross** in **1897** that female mosquitoes transmit malaria between humans. In 1902, Ross won **Nobel Prize for Medicine** becoming the first British person to receive the award.

International Day of Remembrance and Tribute to the Victims of Terrorism: 21 August



- **United Nations** observes **21st August** every year as the **International Day of Remembrance and Tribute to the Victims of Terrorism**.
- The day is observed to pay tribute to the individuals across the globe who have been attacked, injured, traumatized or lost their lives because of terrorist attacks.
- This year, the 3rd commemoration of the day will focus on the response to the pandemic and cancellation of many memorials and commemorations, it is critical to take the time to remember and honour the victims of terrorism.
 - The day was designated by United Nations General Assembly in **2017** and the first time the day was observed in **2018**.
 - The General Assembly, in its resolution **72/165 (2017)**, established 21 August as the International Day of Remembrance of and Tribute to the Victims of Terrorism in order to honour and support the victims and survivors of terrorism and to promote and protect the full enjoyment of their human rights and fundamental freedoms.

World Senior Citizen Day: 21 August



- **World Senior Citizen Day** is observed globally on **August 21** every year. The day is celebrated to raise awareness about issues affecting older people, such as deterioration with age and the abuse of the elderly and support, honour and show appreciation to seniors and to recognize their achievements.
 - The Day was proclaimed by the United Nations General Assembly on **December 14, 1990**. The day was officially founded by the former President of the United States of America, **Ronald Reagan** in 1988 to dedicate a day to older adults and their issues.

International Day for the Remembrance of the Slave Trade and its Abolition: 23 August



International Day for the **Remembrance** of the **Slave Trade** and its **Abolition**

AUGUST 23

- **United Nations** observes **23 August** every year as “**International Day for the Remembrance of the Slave Trade and its Abolition**”. The Day is observed to inscribe the tragedy of the slave trade in the memory of all peoples. It is a day to honour the memory of the men and women who, in **Saint-Domingue in 1791**, revolted and paved the way for the end of slavery and dehumanization.
 - The day was designated by UNESCO to memorialize the transatlantic slave trade. It is a day to honour the memory of the men and women who, in Saint-Domingue in 1791, revolted and paved the way for the end of slavery and dehumanization.
 - It was on the night of 22 and 23 August 1791, in Santo Domingo (today Haiti and the Dominican Republic) that saw the beginning of the uprising that would play a crucial role in the abolition of the transatlantic slave trade.
 - It is against this background that the International Day for the Remembrance of the Slave Trade and its Abolition is commemorated on 23 August each year.
 - The Day was first celebrated in a number of countries, particularly in Haiti on 23 August 1998 and at Goree in Senegal on 23 August 1999.
 - UNESCO headquarters: Paris, France.
 - UNESCO Head: Audrey Azoulay.
 - UNESCO Founded: 16 November 1945.

International Dog Day 2021: 26 August



- **International Dog Day** is observed every year on **August 26** to raise awareness about dog adoption and the importance of providing rescue dogs with a safe and loving environment.
- The day was started as **National Dog Day** in the US in **2004** by pet & family lifestyle expert, animal rescue advocate, conservationist and dog trainer **Colleen Paige**.
- August 26 was chosen as on this day, Paige's family had adopted their first dog "Sheltie" from an animal shelter when she was just 10 years old.

International Day against Nuclear Tests: 29 August



- The **International Day against Nuclear Tests** is observed globally on **29th August**. The day aims to increase awareness about the effects of nuclear weapon test explosions or any other nuclear explosions and the need for their cessation as one of the means of achieving the goal of a nuclear-weapon-free world.

National Sports Day: 29 August



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- Every year, **29th August** has been observed as **National Sports Day in India**.
- The first National Sports Day was celebrated on 29th August 2012, on the birth anniversary of Major Dhyan Chand who was the star of hockey team of India.
- The day is used as a platform to launch various sports schemes as well as organise various sporting events and seminars to spread awareness about the importance of physical activities and sports in life.
 - Recently Prime Minister **Narendra Modi** has announced that **Rajiv Gandhi Khel Ratna Award** will be renamed as **Major Dhyan Chand Khel Ratna Award**.

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(Duration: 1 hours 30minutes)

S.NO	TITLE	NO.OF QUES	MARKS	TOTAL MARKS	REMARKS
1.	Tamil to English Translation	2	25	50	Total Marks -100 Minimum Qualifying Marks - 25 (Answer sheets of the candidates who do not secure minimum qualifying marks in Paper-I will not be considered for the evaluation of Paper-II)
2.	English to Tamil Translation	2	25	50	

PAPER – II (Degree Standard)

(Duration: 3 Hours)

S.NO	TITLE	NO.OF QUES	MARKS	TOTAL MARKS	REMARKS
1.	Precis Writing	3	20	60	Total Marks – 300 (This part has to be answered fully in Tamil or in English alone) (Marks secured in Paper-I will Not be considered for selection. Marks secured in Paper-II alone will be considered for Selection.)
2.	Comprehension	3	20	60	
3.	Hints Development	3	20	60	
4.	Essay Writing on 'Thirukkural'	3	20	60	
5.	Letter writing (Official)	3	20	60	

NOTE : ALL TEST BASED ON NEW SYLLABUS

SYLLABUS : <http://www.tnpsc.gov.in/Syllabus/CCSE II Syllabus 23 10 2019.pdf>

TEST BATCH DETAILS

▲ PAPER 1 (20 TEST) & PAPER 2 (20 TEST)

▲ TEST BASED ON REVISED SYLLABUS

TEST SCHEDULE FOR TNPSC GROUP – II MAINS

PAPER 1 - MODULE 1

S.NO DATE	TEST TOPICS	PAPER / MARKS TIME
TEST NO.1	<ul style="list-style-type: none">▲ Origin and Development of Tamil Civilization - From classical antiquity to modernity.▲ Sangam Period Literature along with the historical events related to Language Development.	PAPER 1 Total Marks -100 Duration: 1hours 30minutes
TEST NO.2	<ul style="list-style-type: none">▲ Musical Tradition of Tamil Nadu - Folklore - music, dance, Musical instruments and folk drama - From classical age to post-modern age with its modifications.▲ Dramatic Art Form - Street Theatre - Folk Theatre - Conventional Theatrical techniques.	PAPER 1 Total Marks -100 Duration: 1hours 30minutes
TEST NO.3	<ul style="list-style-type: none">▲ Socio-Economic History - Overseas trade - evidence from classical literature like "Pattinapalai".▲ Rationalist Movements - Dravidian Movement and Self Respect Movement.	PAPER 1 Total Marks -100 Duration: 1hours 30minutes
TEST NO.4	<ul style="list-style-type: none">▲ Contribution of Social Reform Movements in the implementation of Social Welfare Measures and Socio-Economic Development of Tamil Nadu - Reservation Policy and its Benefits - Contribution of Social Justice and Social Harmony in the Socio Economic Development of Tamil Nadu	PAPER 1 Total Marks -100 Duration: 1hours 30minutes
TEST NO.5	<ul style="list-style-type: none">▲ Feminism - Socio - feminism, Literary feminism - Different Concepts and Perceptions.▲ Contemporary Tamil Language - Computer Tamil Diction - Legal Tamil - Tamil as Administrative Language - New genres.	PAPER 1 Total Marks -100 Duration: 1hours 30minutes

TEST SCHEDULE FOR TNPSC GROUP – II MAINS

MODULE 2: TEST NO.6 TO 10 ON PAPER 2

PAPER 2 - MODULE 2

S.NO	TEST TOPICS	PAPER / MARKS TIME
TEST NO.6	<ul style="list-style-type: none">▲ Preci Writing▲ Comprehension▲ Hints Development▲ Essay Writing on 'Thirukkural'▲ Letter writing (Official)	PAPER 2 Total Marks -300 Duration: 3hours
TEST NO.7	<ul style="list-style-type: none">▲ Preci Writing▲ Comprehension▲ Hints Development▲ Essay Writing on 'Thirukkural'▲ Letter writing (Official)	PAPER 2 Total Marks -300 Duration: 3hours
TEST NO.8	<ul style="list-style-type: none">▲ Preci Writing▲ Comprehension▲ Hints Development▲ Essay Writing on 'Thirukkural'▲ Letter writing (Official)	PAPER 2 Total Marks -300 Duration: 3hours
TEST NO.9	<ul style="list-style-type: none">▲ Preci Writing▲ Comprehension▲ Hints Development▲ Essay Writing on 'Thirukkural'▲ Letter writing (Official)	PAPER 2 Total Marks -300 Duration: 3hours
TEST NO.10	<ul style="list-style-type: none">▲ Preci Writing▲ Comprehension▲ Hints Development▲ Essay Writing on 'Thirukkural'▲ Letter writing (Official)	PAPER 2 Total Marks -300 Duration: 3hours

▲ **MODULE 1 : PAPER 1 (5 TEST)**

▲ **MODULE 2 : PAPER 2 (5 TEST)**

▲ **MODULE 3 TEST SCHEDULE (30 TEST) WILL BE GIVEN AFTER COMPLETION OF (MODULE 1 & 2)**

▲ **MODULE 3 : PAPER 1 AND PAPER 2 (30 TEST)**

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BASED ON REVISED SCHEME OF EXAMINATION

TEST SCHEDULE FOR TNPSC

GROUP - II/IIA PRELIMS

- ▲ SCHOOL BOOK TEST : 10
- ▲ SYLLABUS BASED : 10
- ▲ TOTAL TEST : 20

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MODULE 1: SCHOOL BOOK MANDATORY TEST SCHEDULE

S.NO	TITLE	NO.OF QUES
3.	CIVICS 6TH -8TH STD	100
4.	CIVICS 9TH -10TH STD	100
5.	POLITICAL SCIENCE 11TH AND 12TH	150
6.	GEOGRAPHY 6TH TO 10TH	150
7.	GEOGRAPHY 11TH AND 12TH	100
8.	ECONOMICS 6TH TO 12TH	150
9.	HISTORY 6TH TO 8TH STD	150
10.	HISTORY 9TH TO 12TH STD	150
11.	SCIENCE 6TH TO 10TH	200
12.	SCIENCE 11TH AND 12TH	150

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MODULE 2: SYLLABUS BASED TEST

DATE OF EXAM: Will Be Given Individually For Students Joining Test Batch

TEST NO	TITLE	NO.OF QUES
13.	UNIT-VI: INDIAN ECONOMY (i) Nature of Indian economy - Five year plan models - an assessment - Planning Commission and Niti Ayog. (ii) Sources of revenue - Reserve Bank of India - Fiscal Policy and Monetary Policy - Finance Commission - Resource sharing between Union and State Governments - Goods and Services Tax. (iii) Structure of Indian Economy and Employment Generation, Land reforms and Agriculture - Application of Science and Technology in agriculture - Industrial growth - Rural welfare oriented programmes - Social problems - Population, education, health, employment, poverty. APTITUDE ✓ Highest Common Factor (HCF) ✓ Lowest Common Multiple (LCM) CURRENT AFFAIRS ✓ 2020 CURRENT AFFAIRS	200 QUES
14.	UNIT- III: GEOGRAPHY OF INDIA (i) Location - Physical features - Monsoon, rainfall, weather and climate - Water resources - Rivers in India - Soil, minerals and natural resources - Forest and wildlife - Agricultural pattern. (ii) Transport - Communication. (iii) Social geography - Population density and distribution - Racial, linguistic groups and major tribes. (iv) Natural calamity - Disaster Management - Environmental pollution: Reasons and preventive measures - Climate change - Green energy. APTITUDE ✓ SIMPLIFICATION AND PERCENTAGE CURRENT AFFAIRS ✓ JAN&FEB 2020	150 QUES
15.	UNIT-VII: INDIAN NATIONAL MOVEMENT (i) National renaissance - Early uprising against British rule - Indian National Congress - Emergence of leaders - B.R.Ambedkar, Bhagat Singh, Bharathiar, V.O.Chidambaranar, Jawaharlal Nehru, Kamarajar,	150 QUES

	<p>Mahatma Gandhi, Maulana Abul Kalam Azad, Thanthai Periyar, Rajaji, Subash Chandra Bose and others.</p> <p>(ii) Different modes of Agitation: Growth of Satyagraha and Militant movements.</p> <p>(iii) Communalism and partition.</p> <p style="text-align: center;">APTITUDE</p> <p>✓ RATIO and PROPORTION</p> <p style="text-align: center;">CURRENT AFFAIRS</p> <p>✓ MAR&APRIL&MAY 2020</p>	
16.	<p style="text-align: center;">UNIT-V: INDIAN POLITY</p> <p>(i) Constitution of India - Preamble to the Constitution - Salient features of the Constitution - Union, State and Union Territory.</p> <p>(ii) Citizenship, Fundamental rights, Fundamental duties, Directive Principles of State Policy.</p> <p>(iii) Union Executive, Union legislature - State Executive, State Legislature - Local governments, Panchayat Raj.</p> <p>(iv) Spirit of Federalism: Centre - State Relationships.</p> <p>(v) Election - Judiciary in India - Rule of law.</p> <p>(vi) Corruption in public life - Anti-corruption measures - Lokpal and LokAyukta - Right to Information - Empowerment of women - Consumer protection forums, Human rights charter.</p> <p style="text-align: center;">APTITUDE</p> <p>✓ SIMPLE and COMPOUND INTEREST</p> <p style="text-align: center;">CURRENT AFFAIRS</p> <p>✓ JUNE TO SEPT 2020</p>	200 QUES
17.	<p style="text-align: center;">UNIT - IV: HISTORY AND CULTURE OF INDIA</p> <p>(i) Indus valley civilization - Guptas, Delhi Sultans, Mughals and Marathas - Age of Vijayanagaram and Bahmani Kingdoms - South Indian history.</p> <p>(ii) Change and Continuity in the Socio - Cultural History of India.</p> <p>(iii) Characteristics of Indian culture, Unity in diversity - Race, language, custom.</p> <p>(iv) India as a Secular State, Social Harmony.</p> <p style="text-align: center;">UNIT- VIII : History, Culture, Heritage and Socio - Political Movements in Tamil Nadu</p> <p>(i) History of Tamil Society, related Archaeological discoveries, Tamil Literature from Sangam age till contemporary times.</p> <p>(ii) Thirukkural :</p>	175 QUES

	<p>(a) Significance as a Secular literature (b) Relevance to Everyday Life (c) Impact of Thirukkural on Humanity (d) Thirukkural and Universal Values - Equality, Humanism, etc (e) Relevance to Socio - Politico - Economic affairs (f) Philosophical content in Thirukkural (iii) Role of Tamil Nadu in freedom struggle - Early agitations against British Rule - Role of women in freedom struggle. (iv) Evolution of 19th and 20th Century Socio-Political movements in Tamil Nadu - Justice Party, Growth of Rationalism - Self Respect Movement, Dravidian movement and Principles underlying both these movements, Contributions of Thanthai Periyar and Perarignar Anna.</p> <p style="text-align: center;">APTITUDE</p> <p>✓ TIME AND WORK</p> <p style="text-align: center;">CURRENT AFFAIRS</p> <p>✓ OCT TO DEC 2020</p>	
18.	<p style="text-align: center;">UNIT - IX : Development Administration in Tamil Nadu</p> <p>(i) Human Development Indicators in Tamil Nadu and a comparative assessment across the Country - Impact of Social Reform movements in the Socio - Economic Development of Tamil Nadu. (ii) Political parties and Welfare schemes for various sections of people - Rationale behind Reservation Policy and access to Social Resources - Economic trends in Tamil Nadu - Role and impact of social welfare schemes in the Socio - economic development of Tamil Nadu. (iii) Social Justice and Social Harmony as the Cornerstones of Socio - Economic development. (iv) Education and Health systems in Tamil Nadu. (v) Geography of Tamil Nadu and its impact on Economic growth. (vi) Achievements of Tamil Nadu in various fields. (vii) e-governance in Tamil Nadu.</p> <p style="text-align: center;">APTITUDE</p> <p>✓ AREA AND VOLUME</p> <p style="text-align: center;">CURRENT AFFAIRS</p> <p>✓ JAN TO FEB 2021</p>	150 QUES

19.	<p style="text-align: center;">UNIT-I : GENERAL SCIENCE</p> <p>(i) Scientific Knowledge and Scientific temper - Power of Reasoning - Rote Learning Vs Conceptual Learning - Science as a tool to understand the past, present and future.</p> <p>(ii) Nature of Universe - General Scientific Laws - Mechanics - Properties of Matter, Force, Motion and Energy - Everyday application of the basic principles of Mechanics, Electricity and Magnetism, Light, Sound, Heat, Nuclear Physics, Laser, Electronics and Communications.</p> <p>(iii) Elements and Compounds, Acids, Bases, Salts, Petroleum Products, Fertilizers, Pesticides.</p> <p>(iv) Main concepts of Life Science, Classification of Living Organisms, Evolution, Genetics, Physiology, Nutrition, Health and Hygiene, Human diseases.</p> <p>(v) Environment and Ecology.</p> <p style="text-align: center;">APTITUDE</p> <p>✓ REASONING</p> <p style="text-align: center;">CURRENT AFFAIRS</p> <p>✓ MARCH AND APRIL & MAY - 2021</p>	150 QUES
20.	MOCK TEST NO.1	200 QUES
21.	MOCK TEST NO.2	200 QUES
22.	MOCK TEST NO.3	200 QUES

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