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Thanks to this institute after my final selection in NLU Ranchi. I was happy the way I studied in this coaching institute. I took mock tests and doubt sessions to accelerate my preparation. Faculties and management at success mantra helped me to realise my real potential. They are best in class.

Piyush Gupta (CLAT AIR-8)



I was the classroom program student of success mantra, Delhi. I really feel that the study curriculum at this coaching was very helpful. They always provide you a competitive environment which helps you to better performance. Thanks to everyone.

Upamanyu chatterjee (CLAT AIR-10)



Success mantra (GTB Nagar) is a good place for Law entrance i.e. Delhi Law entrance preparation. Balanced approach is the strength of this coaching. They provide you enough books, mock tests and they best faculties. I am happy with my decision to choose this coaching as my mentor.

Simran Sidhu (CLAT AIR-157)



My experience with success mantra is superb. I got each and everything from this institute which was required for my preparation. Regular practice of previous year Papers was of added advantage. I was able to identify my strength and weakness.

Sumait Kumar Gupta (CLAT AIR-4, AILET AIR-10)



During the last 6 months, the input from Success Mantra was very vital. The rigorous curriculum gave me edge over other competitors. The input from this institute really helped me to get a good rank.

Anupriya Mishra (CLAT, AILET)



I owe my success to success mantra study center as well as my parents and peers. Faculties helped me have my own strategy for writing my final exam. To study legal aptitude Section from practicing Lawyer of Supreme Court was great experiences.

Rishi Raj (DU-LLB, AIR -70)



I'd like to admire my juniors to start early to beat the competitions. I too was a student of success mantra 1 Year classroom program. I got ample time to study and prepare for my final exam. My association with success mantra helped me to realise my potential which helped me to reach my goal.

Saumya Kashyap (DU-LLB, AIR -82)



Thanks a ton to success mantra for my final selection in NLU. You provided us more than that was promised. Your study material & AITS are best in the industry. AITS provides us the good quality question to practice which implies us to work harder and harder.

Yathartha Dhar (IHM - BENGALURU)



I was a year-long classroom program student at success mantra. Signing up to study at Success mantra has been one of the best decisions I have ever made, and in the past one year, I have learned more than I could have ever imagined. Learning was altogether a fun.

Syesha Sarpal (IHM - PUSSA)

EDITORIAL

The competitive exams have always been popular amongst students as they allow the students to get admission into their desired colleges. Every year, there has been an increase in the number of students appearing for the competitive exams, and with the advent of Common Entrance Test (CUET), there is tough competition and high pressure for the students to score high. The goal of a common entrance test is to move the emphasis away from rote learning and toward developing critical thinking skills. Even while this test will put an end to various colleges' ever-increasing cut-offs, it will provide equal opportunity in the admissions process under a single national umbrella examination. So, a competitive exam is something which a class 12 student can't avoid.

At this moment, the class 12 students must be giving their best for the preparation of CBSE Class 12 Term- 2 board exams which is scheduled from February 15, 2023 and will continue till March 5, 2023. With the release of the board exam's calendar, aspirants have less time to prepare for competitive exams.

How to prepare for competitive exams with school?

This is a rocketing question of the hour. For the preparation part, the students have two options. They can either opt for self-preparation or get enrolled into a preparation course. While self-study is also a good option, managing school studies without any guidance can make things tough. Once the students have decided the entrance exams they are going for, they can start off with the syllabus. It is better to refer to the official sites of conducting bodies to get the right syllabus rather than referring to any third party websites.

Over the years, the number of students appearing for competitive exams has been on rise and so is the level of competition. In this scenario, proper guidance by the coaching institutes can help the students to score high and ace the exams.

We, at Success Mantra, offer courses for competitive exam preparation after school hours. This way, students can attend both school and competitive exam classes. However, managing the studies for both can be a little tiresome in the beginning. However, with effective time management, students can balance both. These courses can be both online and offline.

A coaching institute guides students to prepare strategically – plan meticulously, follow accurate techniques of learning, set time tables. The process a student follows for preparation plays a critical role in their success.

We, at Success Mantra Smart Coaching, go the extra mile to help aspirants by providing a strong foundation and training them for competitive exams. You can search for our offline study center from our website and begin your journey towards your goal today. Otherwise, the facility of online classes is always there. Kick-start your preparation now. There is no reason for you to fail if you simply try your best with a positive attitude and confidence.

**Best Wishes
From
Team SUCCESS MANTRA Smart Coaching**

TABLE OF CONTENT

★ National Affairs.....	5
★ International Affairs.....	9
★ Economics Affairs.....	13
★ Science and Technology.....	15
★ Defence.....	17
★ Editor choice.....	20
★ Topic of the month.....	21
★ Legal Affairs	22
★ Management Affairs.....	23
★ Notifications and Exam Calendar.....	24
★ Appointment / Resign / Death.....	25
★ Awards and Honours.....	29
★ Report and Indexes.....	32
★ Cross Word.....	35
★ Important Books and Authors.....	36
★ Sports.....	37
★ Person in News.....	41
★ Toppers Talk.....	42
★ Concept Talk.....	43
★ Date & Days.....	44
★ Model Paper.....	45
★ Extra Dose.....	50
★ Miscellaneous	51

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NATIONAL AFFAIRS



Sangai Festival

Recently the Prime Minister of India addressed the Manipur Sangai Festival via video message.

The festival is named after the state animal, Sangai, the **brown-antlered deer found only in Manipur**. Sangai festival is an annual cultural festival organised by **Manipur Tourism Department every year**. This festival is being celebrated to promote Manipur as a world class tourism destination.



It showcases the **states contributions** to:

- art and culture,
- handloom,
- handicrafts,
- fine arts,
- indigenous sports,
- cuisine,
- music and adventure sports,
- Natural environment.

Delimitation of Constituencies in Assam

The Election Commission of India (ECI) recently announced that it had commenced the process of delimitation of state assembly and parliamentary constituencies of Assam. The last delimitation in Assam happened in 1976. The current delimitation exercise is being conducted based on the 1971 Census.



What is the delimitation exercise?

Delimitation is the process of redrawing boundaries of state assembly seats and the Lok Sabha seats to represent the changing population numbers. The main purpose of the delimitation exercise is to ensure equal representation to equal segments of a population.

What is Delimitation Commission?

The Delimitation Commission is an independent commission responsible for conducting delimitation exercises. It is set up by the Central Government under the Delimitation Commission Act. This commission jointly works with the Election Commission of India (ECI) to conduct the delimitation.

How is delimitation carried out?

Article 82 of the Constitution requires the Indian Parliament to enact a Delimitation Act after every Census. Once this Act is in force, the Central Government must set up a Delimitation Commission.

Previous Delimitation exercises

A total of 4 Delimitation Commissions have been set up in the past (1952, 1963, 1973 and 2002). The delimitation exercises did not happen after the 2001 census.

COP15 to Convention on Biological Diversity

At the 15th Conference of Parties (COP15) to the Convention on Biological Diversity, Small Island Developing States (SIDS) agreed to form a Coalition for Nature (led by Cabo Verde, Samoa and Seychelles.) COP15 has been split into two parts, the first was held online in October 2021. The second part was recently held in Montreal, Canada. The next COP i.e., COP16 will be held in Turkey in 2024.

Convention on Biological Diversity (CBD)

The CBD is known informally as the **Biodiversity Convention**. It is a **multilateral treaty**. The convention was opened for signature at the Earth Summit in **Rio de Janeiro in 1992** and entered into force in 1993. The Secretariat of the Convention on Biological Diversity (SCBD) is based in **Montreal, Canada**.



Convention on Biological Diversity



Ratification:

It has been ratified by **196 nations**. The **United States** is the only UN member state that has **not ratified** the convention.

Two supplementary agreements:

The **Cartagena Protocol on Biosafety** to the Convention on Biological Diversity is an international treaty governing the movements of living modified organisms (LMOs) resulting from modern biotechnology from one country to another.

The **Nagoya Protocol on Access to Genetic Resources** and the Fair and Equitable Sharing of Benefits Arising from their Utilization (ABS) to the Convention on Biological Diversity is another supplementary agreement to the CBD.

Govt To Extend PM Gati Shakti Project To Cover Social Sector

The Commerce and Industry Ministry's Department for Promotion of Industry and Internal Trade (DPIIT) has begun working with five social sector departments, to improve the efficiency of social sector infrastructure with the help of PM Gati Shakti initiative. PM GatiShakti

- National Master Plan for Multi-modal Connectivity



A Giant Stride in India's \$5 Trillion Economy Goal

Gati Shakti National Master Plan

Multimodal Connectivity Infrastructure to various Economic Zones

Targets upto 2024-25 for Ministry of Shipping

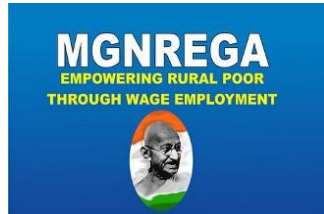
- 1. Increase in Cargo capacity at the Ports to 1,759 MMTPA from 1,282 MMTPA in 2020
- 2. Cargo movement on all National Waterways will be 95 million MT from 74 million MT in 2020
- 3. Cargo movement on Ganga to be increased from 9 to 29 million MT



It is a technology-based master plan for multi-modal connectivity (launched in October 2021), to give more speed (Gati) and power (Shakti) to infrastructure projects by connecting 16 Ministries, including Railways and Roadways, on one digital platform.

Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)

Digitally capturing the attendance of workers employed under the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) has been made universal by the Centre from January 1, 2023. The Union government, arguing for transparency and accountability in May 2021, had started a pilot project to capture attendance via a mobile application, the National Mobile Monitoring System (NMMS). Initially capturing attendance via the app was made compulsory for all worksites with 20 or more workers



Namami Gange Programme

The Prime Minister of India recently highlighted the global appreciation for the country's flagship Namami Gange Programme for Ganga rejuvenation, giving credit to people's participation in the programme. The United Nations (UN) has recognised the initiative as one of the top 10 World Restoration Flagships and awarded it on 14th December 2022 - the World Restoration Day, at the COP15 to the CBD in Montreal, Canada.

About Namami Gange Programme

It is an integrated conservation mission, approved as 'Flagship Programme' by the Union Government in 2014 with budget outlay of Rs. 20,000 Crores. It is administered by the Ministry of Jal Shakti's Department of Water Resources, River Development and Ganga Rejuvenation. In order to implement the programme, a three-tier mechanism has been proposed for project monitoring comprising of:

National level: A high-level task force chaired by Cabinet Secretary assisted by NMCG,

State level: State level committee chaired by Chief Secretary assisted by SPMG

District level committee chaired by the District Magistrate.

One Rank One Pension Scheme

The Union Cabinet recently approved pension revision for pensioners from the armed forces and their families under the One Rank One Pension (OROP) scheme with effect from July 2019. With this, more than 25.13 lakh people, including over 4.52 lakh new beneficiaries, armed



forces pensioners and family pensioners will be benefited. The Supreme Court had earlier this year directed the government to quickly carry out the OROP re-fixation exercise upon the expiry of the five-year time-frame in July 2019, as was promised when the scheme was implemented with effect from July 2014.

Social Progress Index

The report, titled 'Social Progress Index: States and Districts of India', was released by Economic Advisory Council-Prime Minister (EAC-PM) chairman Bibek Debroy Puducherry, followed by Lakshadweep and Goa, has bagged the top slots for its remarkable performance across the components like personal freedom and choice, shelter, and water and sanitation.



About Social Progress Index (SPI)

Formulated by the Institute for Competitiveness and Social Progress Imperative, SPI is a comprehensive tool that can serve as a holistic measure of a country's social progress at the national and sub-national levels. The index assesses states and districts based on 12 components across three critical dimensions of social progress - Basic Human Needs, Foundations of Wellbeing, and Opportunity

Extension of PM SVANidhi Scheme

The Union Government extended the PM Street Vendor's AtmaNirbhar Nidhi (PM SVANidhi) scheme beyond March 2022 till December 2024. PM SVANidhi Scheme. Launched in 2020, it is a Central Sector Scheme fully funded by the Ministry of Housing and Urban Affairs. The scheme facilitates affordable collateral-free loans to street vendors.



Eligibility. The scheme is available for beneficiaries belonging to only those States/UTs which have notified Rules and Scheme under Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014. Beneficiaries from Meghalaya, which has its own State Street Vendors Act may, however, participate.

Beneficiaries from Meghalaya, which has its own State Street Vendors Act may, however, participate.

Pradhan Mantri Adi Adarsh Gram Yojna

Ministry of Tribal Affairs has revamped the existing Scheme of Special Central Assistance to Tribal SubScheme (SCA to TSS) and renamed it to Pradhan Mantri Adi Adarsh Gram Yojna (PMAAGY), for implementation during 2021-22 to 2025-26. Under it, the Ministry is working to develop 36,428 villages with at least 50% tribal population and 500 STs across the country into model tribal villages (Adarsh Gram), covering a population of 4.22 crore. The main objective of this scheme is to achieve integrated socio-economic development of selected villages through convergence approach. It aims at mitigating gaps and providing basic infrastructure in villages with significant tribal population in convergence with funds



available under different schemes in Central Scheduled Tribe Component. A sum of ₹20.38 lakh per village as Gap-filling has also been provisioned for approved activities including administrative expenses under PMAAGY.

GI Tag to Nine Products

Recently, nine new items, including Gamocha of Assam, Tandur red gram of Telangana, Raktsey Karpo apricot of Ladakh, and Alibag white onion of Maharashtra, were given the



GI tag. The list includes five GI tags for Kerala, for its agricultural produce. With this, the total number of GI tags in India comes to 432. Karnataka and Tamil Nadu are states with the highest number of GI tags, followed by Kerala (35), Uttar Pradesh (34), and Maharashtra (31). The World Intellectual Property Organisation defines a GI as a sign that can be used on products that have a specific geographical origin and possess qualities or a reputation that are due to that origin. **Gamocha from Assam:** Gamocha literally means a towel. It is a hand-woven rectangular cotton piece of cloth known for its distinctive red border and floral motifs. **Tandur Red Gram of Telangana:** It is a local variety of pigeon pea which is mainly grown in the rainfed areas of the Tandur and nearby places in the state. **Raktsey Karpo- the organic sweetness from Ladakh:** Raktsey Karpo, belongs to the family of apricot. Packed with vitamins and low on calories, it is rich in sorbitol – a natural glucose substitute that can be consumed by diabetics. **Initiatives for GI Tags**

Several initiatives have been undertaken by Department for Promotion of Industry and Internal Trade (DPIIT) where GI products showcased Indian tradition, culture and enterprising activities under a single umbrella like GI Pavilion, India GI fair, GI Mahotsav.

TULIP Platform

The government shared the progress of the The Urban Learning Internship Program (TULIP) platform. TULIP is an initiative by the Ministry of Housing and Urban Affairs (MoHUA) in collaboration with the Ministry of Education (MoE) and All India Council of Technical Education (AICTE). Eligibility: The internships under TULIP are open to Indian citizens who graduate from an undergraduate program can apply within 18 months from graduating.

Circular Trading

The issue of circular trading in GST was recently discussed by the Goods and Services Tax (GST) Council. Circular trading refers to fraudulently availing input tax credit by traders by issuing of invoices without an actual supply of goods or services.

National Party

AAP became the national party after Gujarat elections.

What is a National Party

They are usually bigger parties and are recognized by the Election Commission of India based on their poll performance.

Other parties are simply registered-unrecognized parties and can get the status of national or state parties with time.

India had total of eight national parties– BJP, Congress, All Indian Trinamool Congress (AITMC), Bahujan Samaj Party (BSP), Communist Party of India (CPI), Communist Party of India (Marxist), Nationalist Congress Party

National Party		State Party	
i	These parties have influence all over the country or in several states	i	The influence of a state party is limited to a state or a region.
ii	These parties take interest in national as well as international issues	ii	State parties are interested on promoting regional/state interest.
iii	A party that secures at least six per cent of total votes in Lok Sabha elections or Assembly elections in four states and win at least four seats in the Lok Sabha.	iii	A party that secures at least six per cent votes in an election to the Legislative Assembly of a state and wins at least two seats is recognized as a state party.
iv	These parties have been given unique symbols by the Election Commission	iv	Some symbols can be used in different states by the regional parties
v	E.g. Indian National Congress, Bhartiya Janata Party	v	Haryana Lok Dal in Haryana, Shiv Sena in Maharashtra.

(NCP), and the National People's Party (NPP). AAP becomes the ninth party now.

How Did AAP Achieve This Status

AAP has zero Lok Sabha MPs, but it has governments in Delhi and Punjab with huge mandates. It meets the six per cent votes/two seats requirement in Goa and has become a state party in Gujarat thus fulfilling the state party criteria required for being recognized as a national party.

Pradhan Mantri National Apprenticeship Mela

The Ministry of Skill Development and Entrepreneurship (MSDE) held the Pradhan Mantri National Apprenticeship Mela (PMNAM) across 197 locations in 25 states and Union Territories. Objective: To encourage companies to hire more apprentices while assisting employers in discovering the right talent and developing their potential via training and practical experience. Eligibility: Candidates who have passed Class 5 to Class 12 and have skill training certificates, or ITI Diploma holders or graduates



India to Head Wassenaar Plenary From January

India will assume chairmanship of the plenary of the Wassenaar Arrangement (WA) for a year on January 1, 2023. During the recently held 26th annual plenary of the Wassenaar Arrangement in Vienna, Ireland handed over the chairmanship to India. As a chair of the plenary, India would be in a position to steer discussions of the group to further strengthen the export controls to prevent arms diversion to terrorists or to sovereign nations supporting terrorism.

Founded in 1996, the Wassenaar Arrangement (WA) is an elite club of countries subscribing to arms export controls, similar to the NSG and the Missile Technology Control Regime

- Headquartered in Vienna, it has 42 members, the latest entrant being India. Barring China, all permanent members of the U.N. Security Council are its signatories
- Its goal is to "promote transparency and greater responsibility in transfer of conventional arms and dual-use goods and technologies"
- Since it's not a signatory to the Nuclear Non-Proliferation Treaty, India will look to the WA membership to boost its credentials to enter NSG

What Are Wassenaar Control Lists?

The Arrangement works according to what it calls WA Control Lists. The controls are subject to ratification by the participants. Members. The WA has 42 members. India became a member of the WA in 2017. With the exception of China, all the other permanent members of the U.N. Security Council are signatories of the WA

Chillai Kalan

The harshest winter periods of 40 days, called Chillai Kalan, has begun in Kashmir. It is the harshest winter period in Kashmir starting from 21st December to 29th January every year. It brings a lot of hardships for Kashmiris as the temperature drops considerably leading to the freezing of water bodies, including the famous Dal Lake. During these 40 days, the chances of snowfall are the highest and the maximum temperature drops considerably. Use of Pheran (Kashmiri dress) and a traditional firing pot called Kanger increases. Post Chillai Kalan. Chillai-Kalan is followed by a 20-day long Chillai Khurd which occurs between January 30 - 31 and February 18 - 19. Chillai Khurd is followed by a 10-days long Chillai Bachha which is from February 19 - 20 to February 28 - March 2.



the GEAC had cleared the proposal for commercial cultivation of GM mustard.

About DMH-11, It is a genetically modified variety of mustard. It contains two



alien genes isolated from a soil bacterium called *Bacillus amyloliquefaciens*. It has been developed using the genetic male sterility (GMS) technique, especially 'barstar-barnase' system to make it herbicide resistant. It is developed by the Centre for Genetic Manipulation of Crop Plants (CGMCP) at Delhi University. Field trials of DMH-11 showed that they were high yielding and did not deter the pollination habits of honeybees. This will be the second GM crop after GM cotton that can be commercially cultivated in the country now. Across the world, GM variants of maize, canola and soyabean, too, are available. Legal Position of GM Crops In India. In India, GEAC is the apex body that allows for commercial release of GM crops. In 2002, the GEAC allowed the commercial release of Bt cotton.

Dhara Mustard Hybrid-11 (DMH-11)

Doctors across India have come together to express their concern against the plantation of genetically modified Dhara Mustard Hybrid (DMH) -11. It had recently been approved by the Genetic Engineering Appraisal Committee (GEAC) for commercial cultivation. Earlier, in 2017,

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INTERNATIONAL AFFAIRS



NDDB, Amul to Provide Technical Support to Enhance Milk Production in Sri Lanka

India will provide **technical support to Sri Lanka** to enhance its **dairy industry and milk output**, a move aimed at reducing the **cash-strapped country's** dependence on **imported milk products**, the **Sri Lankan President's Office** said.



Officials of the **National Dairy Development Board (NDDB)** and the **Gujarat Cooperative Milk Marketing Federation (GCMMF)**, which markets milk under the **Amul brand**, have taken steps to provide necessary technical support for the production of milk in Sri Lanka. Plans were discussed doubling local milk production by implementing **short and medium-term** plans and making **Sri Lanka self-sufficient in milk** in the long run through a targeted program," the statement said

India, Germany sign Migration and Mobility Agreement

External Affairs Minister **S Jaishankar** and Germany's foreign Minister **Annalena Baerbock** signed a **comprehensive migration and mobility partnership**, which will facilitate easier access for people to study, research and work in both countries.



The deal which aims at facilitating **two-way movement of students, professionals and researchers**, is also set to address the challenges of illegal migration.

The migration and mobility partnership is set to encourage increased exchange of students between the two countries. In May this year, **Prime Minister Narendra Modi** has stated that the Indian government will facilitate admission of German students in **Higher Education Institutions (HEIs)** under programmes like Study in India.

Presidency of G20, SCO, UNSC in 2022: A Historic Opportunity For India

December of 2022 began with **India assuming the presidency** of two global bodies — **G20 on the first day of the month** and **UNSC on the second** and the **Shanghai Cooperation Organisation (SCO) in 2023** when major powers are not even talking to each other and India alone, now the fifth largest economy, is interacting with each of them, presents a historic opportunity.



New Delhi has said that while its **G20 presidency** is driven by the vision of "**Vasudhaiva Kutumbakam**" (the world is one family), its presidency of the United Nations Security Council seeks to **prioritise countering terrorism and reformed multilateralism**.

Leading with the "Five S's" approach charted out by **Prime Minister Narendra Modi, Samman (Respect), Samvad (Dialogue), Sahyog (Cooperation), Shanti (Peace), and Samridhi (Prosperity)**, India took over UN presidency today.

Peru Gets its First Female President After Pedro Castillo is Impeached

Dina Boluarte became Peru's **first female president** amid a political maelstrom when her predecessor and former boss **Pedro Castillo** was **ousted in an impeachment trial** and detained by police after he tried to illegally shut down Congress.



Opening Ceremony of International Year of Millets 2023 Held in Rome

The **Food and Agriculture Organization (FAO)** of the **United Nations**, organized an opening ceremony for the **International Year of Millets – 2023 (IYM2023)** in Rome, Italy.

An Indian delegation led by **Sushri Shobha**



Karandlaje, Minister of State, Agriculture & Farmers Welfare were present at the opening ceremony. During the event, India's ceremonial message by the **Prime Minister Shri Narendra Modi** was conveyed by Sushri Shobha Karandlaje.

Japan, Britain and Italy to Jointly Build Sixth Generation Fighter Jets

Japan has announced that it will jointly develop its **next-generation fighter jet** with the **United Kingdom and Italy** as it looks to expand defense cooperation beyond its traditional ally, the **United States**.



The **Mitsubishi F-X fighter jet** will replace the aging fleet of F-2s that Japan previously developed with the United States. The nations will merge their current plans for **development of next-generation planes** – the F-X and **Britain's Tempest, a successor to the Eurofighter Typhoon** – to produce the new combat aircraft for deployment in 2035.

The deal will give Japan greater support in countering China's growing assertiveness and allow **Britain a bigger presence in the Indo-Pacific region.**

US prints first banknotes with women's signatures

The U.S. The Treasury (United States of America's Finance Ministry) has printed the first US banknotes (currency notes) with two women's signatures.

The new currency notes of \$1 and \$5 value carry the signature of the Secretary of Treasury (American Finance Minister) **Janet Yellen** and **Lynn Malerba**. The United States currency notes are popularly called as Greenback.



UAE Successfully Launches First Ever Arab-Built Lunar Spacecraft

A SpaceX Falcon 9 rocket carried into space the first ever Arab-built lunar spacecraft. It was launched from the Cape Canaveral Space Force Station in Florida.



The Rashid Rover was built by Dubai's Mohammed bin Rashid Space Centre (MBRSC), in the United Arab Emirates (UAE), and is being delivered by the HAKUTO-R lander, engineered by Japanese lunar exploration company I space.

The mission is due to arrive at Moon around April 2023.

India, China troops clash along LAC in Tawang region, Arunachal Pradesh



Indian and Chinese troops clashed along the Line of Actual Control (LAC) in the Tawang sector of Arunachal Pradesh on December 9 and the face-off resulted in "minor injuries to a few personnel from both sides", the Indian Army said.

The clash near Yangtse along the LAC in the sensitive sector took place amid the over 30-month border stand-off between the two sides in eastern Ladakh.

It is the first major clash between the Indian and Chinese armies since August 2020 near Rinchen La in eastern Ladakh. Indian and Chinese troops were engaged in

a brief face-off near Yangtse in October last year as well and it was resolved following talks between local commanders of the two sides as per established protocols.

Japan's I-space Launches World's First Commercial Moon Lander

Japan is elated and proud of its space start up that successfully launched a spacecraft to the moon recently, marking a significant step towards what would be a historic first, both for the nation and a private company.

This has not been an easy task and got successful after multiple delays. Additionally, what makes it unique is the fact that it is the first successful venture to the moon by a private company.



It took off from Cape Canaveral, Florida. Additionally, two inspections of the SpaceX Falcon 9 rocket led to two postponements, however, the mission crossed all hurdles efficiently.

France to host International Conference "Standing with the Ukrainian People"

According to the French embassy, France will host an international conference "Standing with the Ukrainian People" in Paris with an aim to coordinate international support for civilian resilience in Ukraine and address the Ukrainian people's urgent humanitarian needs.



The conference is organised at the initiative of French President Emmanuel Macron and is co-organised with Ukraine. During the conference, Ukraine's President Volodymyr Zelenskyy will address virtually.

New Zealand Govt. passes world's first tobacco law to ban smoking

The New Zealand government has passed a law to completely end tobacco smoking by banning youth from buying cigarettes for life.



The Smoke Free Environments and Regulated Products (Smoking Tobacco) Amendment Bill has been passed in New Zealand which aims to make New Zealand smoke free by 2025.

The bill aims to ban the sale of tobacco to anyone born after January 1, 2009, and reduce the number of cigarette retailers in the country.

G-7 Agrees \$15.5B Energy Deal with Vietnam to Cut Emissions

A group of nine rich industrialized nations approved a deal to provide Vietnam with \$15.5 billion to help

the **Southeast Asian nation** move faster from coal power to **renewable energy**, cutting its climate-damaging pollution.

The **Group of Seven major economies**, along with **Norway and Denmark**, said in a statement that the aim is to help Vietnam reduce its emissions to “**net zero**” by 2050, a goal which expert say needs to be met globally to cap global warming at 1.5 degrees Celsius.

The **Just Energy Transition Partnership** with Vietnam is among a series of agreements that developing and rich nations are negotiating. The first such deal was signed with **South Africa** last year, and a similar agreement was reached with **Indonesia** last month.

US Announces Historic Nuclear Fusion Breakthrough

United States has announced a **nuclear fusion** breakthrough, a historic step towards the promise of ‘**near-limitless**’ clean energy and may help the fight to curb climate change.

US Department of Energy said, researchers at the **Lawrence Livermore National Laboratory (LLNL)** in California for the first time produced more energy in a fusion reaction than was used to ignite it, something called net energy gain.

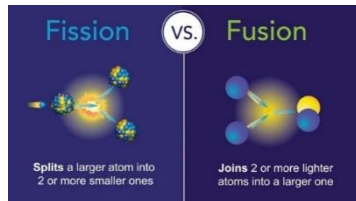
Scientists use high-energy laser beams to achieve these temperatures which is also called **inertial fusion**.

Tokyo Makes Solar Panels Mandatory for New Homes Built After 2025

The **Japanese capital** local assembly passed a new regulation which stated that all **new houses in Tokyo** built by **large-scale homebuilders** after April 2025 must install **solar power panels** to cut household **carbon emissions**. Currently, Japan stands at **fifth spot** in the **world’s largest carbon emitters list**.

Iran Removed from UN Commission on the Status of Women

Iran has been expelled from the **United Nation’s Commission on the Status of Women (UNW)** in a vote on which India abstained. The **US proposal** at the **UN Economic and Social Council** to remove Iran from the panel received 29 votes, while there were eight votes against and 16 abstentions in the 54-member elected body.



Mahsa Amin who died after being held by “**morality police**” in September. Her death sparked the protests, during which, “government security forces have reportedly detained and tortured thousands of people, killed hundreds of peaceful protestors, and badly injured many more. Men supporting women in the streets are now being targeted with the death penalty.

Indian-origin Leo Varadkar is new Prime Minister of Ireland

Indian-origin Leo Varadkar has returned for a second term as **Ireland’s Prime Minister** as part of a job-sharing deal made by the country’s centrist coalition government. His appointment was confirmed when he received the seal of office from **President Michael D. Higgins**, Ireland’s head of state.

This is the **second time** that Varadkar has



been elected as Irish prime minister. He first became the **Irish prime minister** in June 2017. In June 2020, the Fine Gael party led by Varadkar formed a coalition government with Fianna Fail and Green Party, in which he served as deputy prime minister and Minister for Enterprise, Trade and Employment.

Varadkar was born in Dublin to an Irish mother who worked as a nurse and an **Indian immigrant father**, who was a qualified doctor.

UAE to Host the 13th WTO Ministerial Meeting in 2024

The next **World Trade Organization** ministerial conference will be held in **Abu Dhabi, United Arab Emirates** in February 2024, the global trade watchdog confirmed in a statement. The UAE and Cameroon were both vying to host the event and came to an informal agreement for Abu Dhabi to host the first one and **Cameroon** to do the next, trade sources said.

Sri Lanka and Russia in talks to use the rupee in foreign trade

Use of rupee in foreign trade: In order to facilitate international trade, Sri Lanka has agreed to utilize the Indian Rupee (INR). It occurs shortly after the Indian government announced it was looking into ways to include nations who are particularly short on dollars in the Indian rupee trade settlement process.

The Reserve Bank of India’s (RBI) clearance is required before the Indian rupee can be designated as Sri Lanka’s



official foreign currency, according to the Central Bank of Sri Lanka (CBSL).

According to reports, banks in Sri Lanka have set up special accounts for trading in INR dubbed Special Vostro rupee accounts, or SVRA.

US to Provide its Key Patriot Missile Defence System to Ukraine

The **United States** is finalizing plans to send the **Patriot missile defense system** to Ukraine. **Ukraine** has asked its Western partners for air defenses, including **U.S.-made Patriot systems**, to protect it from heavy Russian missile bombardment including against its energy infrastructure. The system is part of **\$1.85 billion in assistance** unveiled in parallel with a **visit to Washington by Ukrainian President Volodymyr Zelensky**.

The Patriot is considered to be **one of the most advanced U.S. air defense systems** and is usually in short supply, with allies around the world vying for it.

Spain passes new transgender law, anyone above 16 can change their gender

Spain passes new transgender law: The lower house of the Spanish Parliament approved a measure allowing individuals over the age of 16 to change their legally recorded gender without the need for medical supervision.

According to the law, drafted by the center-left coalition government, minors between the ages of 14 and 16 must be accompanied by their parents or legal guardians and those between the ages of 12 and 13 will require a judge's permission to make the move.

CPN-Maoist Centre Chief Pushpa Kamal Dahal Prachanda Set to Become New Nepal PM

CPN-Maoist Centre chief Pushpa Kamal Dahal, also known as Prachanda, mustered the support of 168 parliamentarians, way above the magic mark of 138 in the House of Representatives, clearing the way for his third stint in the Nepal Prime Minister's Office in the last 14 years. President Bidya Devi Bhandari appointed Prachanda as the prime minister as per Article 76 (2) of the constitution.

Sitiveni Rabuka elected as new Prime Minister of Fiji

Sitiveni Rabuka was confirmed as Fiji's next Prime Minister more than two decades after the former military commander first held the office in a term lasting nearly seven years. The 74-year-old won the nomination by one vote

over incumbent Frank Bainimarama at a sitting of the Fijian Parliament in Suva. It also signals the end of former Prime Minister Frank Bainimarama's 16 years in power. In the 55-member Parliament of Fiji, Sitiveni Rabuka secured 28 votes against Bainimarama's 27 votes.

Former Maldivian President Abdulla Yameen Sentenced to 11 Years

The Maldives criminal court sentenced former president Abdulla Yameen to 11 years in prison and fined him \$5 million after finding him guilty of corruption and money laundering charges related to receiving kickbacks from a private company. Yameen has denied any wrongdoing. Since his release, Yameen, the half-brother of former dictator Maumoon Abdul Gayoom, has returned to active politics with a campaign against Indian influence in Maldives, raising concerns in New Delhi. Situated close to strategic shipping lanes in the Indian Ocean, Maldives is a focal point for competition between India and China over influence in the region.

India-assisted Mangdechhu Hydroelectric Project Handed Over to Bhutan's Druk Green Power Corp

India-assisted 720 Megawatts Mangdechhu Hydroelectric Power Project has been recently handed to Druk Green Power Corporation (DGPC) in Bhutan. With this project, India and Bhutan have successfully completed four mega hydroelectric power projects. The commissioning of the project has increased Bhutan's Electrical Power Generation Capacity by 44 per cent. The 720 MW project Mangdechhu Hydroelectric Power Project was jointly inaugurated by Prime Minister Narendra Modi and his Bhutanese counterpart Lotay Tshering in 2019.

Benjamin Netanyahu Sworn in as the Prime minister of Israel for a Record 6th Time

Benjamin Netanyahu was sworn-in as Israel's prime minister for a sixth time, leading the Jewish state's most right-wing government to date. Netanyahu, 73, already Israel's longest-serving Prime Minister, has the support of 63 lawmakers in the 120-member Knesset (Israeli parliament). In the house, 54 lawmakers voted against his government.





ECONOMICS AFFAIRS



NDTV Promoter Firm RRPR Holding Transfers 99.5% Shares to Adani's VCPL.

News Broadcaster New Delhi Television Ltd (NDTV) promoter firm RRPR Holding announced that it has transferred shares constituting 99.5 percent of its equity capital to Adani group-owned Vishvapradhan Commercial (VCPL).



The transfer of shares will give Adani Group control over a 29.18 percent stake in NDTV. They are also open to offer for another 26 percent stake in the media firm.

Gautam Adani, Chairman of the Adani Group has said that the NDTV purchase was a responsibility rather than a business opportunity.

NDTV had said that VCPL has served notice on the broadcast based on a loan agreement it had entered into with its founders in 2009-2010

International Organization of Securities Commissions (IOSCO)

Recently, the Securities and Exchange of India proposed a framework for index providers to improve transparency and accountability in the domestic securities market.



About:

The index provider shall be a legal entity incorporated under the Companies Act in the country of origin and should have a minimum net worth of Rs 25 crore.

The proposed regulation shall apply to index providers of both domestic and foreign.

The index providers must be assessed by independent external auditors to evaluate adherence to International Organization of Securities Commissions (IOSCO) principles once in two years.

What is IOSCO?

Established in 1983, it is the international body that brings together the world's securities regulators and is recognized as the global standard-setter for the securities sector.

It works intensively with the G20 and the Financial Stability Board (FSB) on the global regulatory reform agenda.

There are three categories of members: **Ordinary, Associate and Affiliate.**

Recently, **the International Financial Services Centres Authority (IFSCA)** has become an **associate member** of this organization in 2021.

IFSC in India:

The first International Financial Services Centre (IFSC) in the country has been set up at the Gujarat International Finance Tec-City (GIFT) in Gandhinagar. In December 2019, Parliament passed a bill to set up a unified authority for regulating all financial activities at IFSCs in the country.

Amrit Bharat Station scheme

Ministry: Railway Ministry

AIM: Modernization of Railway

About:

Amrit Bharat Station scheme **envisages development of stations on a continuous basis with a long term vision.**



The scheme will **subsume all previous redevelopment projects** where work is yet to begin.

The scheme aims at **preparation of Master Plans of the Railway stations** and implementation of the Master Plan in phases to enhance the facilities including and beyond the Minimum Essential Amenities.

The model envisages **low-cost redevelopment of stations** which can be executed timely.

The scheme also aims to **relocate redundant/old buildings in a cost efficient manner.**

Facilities Planned under Amrit Bharat Station Scheme

Provision for **Roof Plaza** to be created in future.

Free Wi-Fi, space for 5G mobile towers.

Smooth access by widening of roads, removal of unwanted structures, properly designed signage's, dedicated pedestrian pathways, well planned parking areas, improved lighting etc.

High level platforms (760-840 mm) at all stations with a length of 600 metres **Special amenities** for the disabled.

India-Australia Economic Cooperation and Trade Agreement Comes into Force

India, Australia Economic Cooperation and Trade Agreement comes into force from 29 December.

India and Australia signed the Economic Cooperation and Trade Agreement (ECTA) on the 2nd of April 2022.

ECTA is the first trade agreement of India with a developed country after more than a decade.

Significance of This Trade Agreement:

Under this trade agreement, Indian exports will benefit from preferential zero-duty market access in Australia for 100 per cent of its tariff lines. It will benefit India's labour-intensive sectors such as gems and jewellery, textiles,

leather, furniture, food and agricultural products, engineering products, and medical devices. India has provided preferential access to Australia on over 70 per cent of its tariff lines, which are primarily raw materials and intermediaries.

NSE Launches New Nifty Bharat Bond Index

NSE Indices has said it has launched one more index under the Nifty Bharat Bond Index series. The Bharat Bond Index series follows a target maturity date structure wherein each index in the series measures the performance of a portfolio of 'AAA' rated bonds issued by government owned entities maturing in a specific year.



The upcoming Bharat Bond ETF which is sixth in the Bharat Bond ETF series will track the newly launched Nifty BHARAT Bond Index maturing in 2033.

The first Bharat Bond ETFs tracking the Nifty Bharat Bond indices were launched in December 2019, **Mukesh Agarwal, CEO, NSE Indices**, said.

In December 2019, NSE Indices launched the first two indices in the Bharat Bond Index with maturities in April 2023 and April 2030, and in July 2020, further two indices with maturities in April 2025 and April 2031 were launched.

Greenwashing

The RBI Deputy Governor called for a formal definition of green finance to avoid the risk of greenwashing. Green financing refers to lending to environmentally sustainable economic activities.



Greenwashing. It refers to misleading the general public into believing that companies, sovereigns or civic administrators are doing more for the environment than they actually are. Thus, it refers to dishonest practices designed to deceive people. This may involve making a product or policy seem more environmentally friendly or less damaging than it is in reality.

The phenomenon came into practice as consumers and regulators, due to greater awareness and environmental consciousness, sought to use planet-friendly, recyclable and sustainable green products. It is done primarily for a company to either present itself as an environment-friendly entity or for profit maximization. Although several companies, cities, states and regions have committed to reaching net-zero, in the absence of regulation, a lot of these pledges are not aligned with the science to achieve the same and do not have enough detail to be credible.

National Single Window System

Five more states and union territories — Haryana, Andaman and Nicobar, Tripura, Jharkhand, and Arunachal Pradesh — joined the National Single Window System (NSWS) by 15 December. So far 16 states/ UTs have already been on boarded.

Invest India, under the guidance of DPIIT, manages the National Single Window System project. NSWS can be described as a one-stop platform for businessmen seeking regulatory approvals and services related to investments. The platform helps businesses in identifying and applying for required approvals to start or run their businesses. The system is aimed at reducing duplicity of information submission to different ministries, reduce compliance burden, cut gestation period of projects, and promote ease of starting and doing business. It enables the identification, applying and subsequent tracking of approvals for all integrated states and central departments. The system currently accepts applications for 248 government-to-business clearance and approvals from 26 central ministries and departments, including states. Over 44,000 approvals have been facilitated through NSWS and over 28,000 approvals are currently under process.



Manthan Platform

The Manthan platform won NSEIT the Best Tech Initiative of the Year at the Dun & Bradstreet Business Excellence Awards 2022. The award was presented for building the

Office of the Principal Scientific Adviser
to the Government of India

Manthan
Platform for Promoting Collaboration at Scale between Industry and the Scientific Research and Development Ecosystem

Department of Biotechnology
GOVERNMENT OF INDIA

Exclusive Hour Long
Sensitization on Manthan Platform

9th November 2022
4 to 5 PM IST
RSVP Registrations Only

Register Here: cutt.ly/manthan-register

Meeting Link: cutt.ly/Manthan-Workshop

The Manthan platform promotes collaboration at scale between industry and the scientific research and development ecosystem to help meet India's national targets and United Nations' Sustainable Development Goals (SDGs). The platform strives to empower to scale up the interactions among stakeholders and facilitate R&D innovation, share challenges, in various emerging technologies and scientific breakthroughs including those that make a social impact.

<https://manthan.gov.in/> bskic@nic.in

technology infrastructure to support Manthan, a platform that promotes collaboration at scale between industry and the scientific research and development ecosystem. The development of the platform was conceptualized and implemented by the Office of the Principal Scientific Adviser (PSA) to the Government of India.



SCIENCE AND TECHNOLOGY



Bharat Biotech's Nasal Vaccine 'iN-COVACC' To Be Available at Rs 325 for Govt Hospitals

Bharat Biotech's intranasal vaccine, BBV154 or In-covacc is the world's first intranasal vaccine to be approved as a booster dose for Covid-19. The nasal vaccine is a recombinant replication-deficient adenovirus vectored vaccine with a pre-fusion stabilized spike protein. NCOVACC is now available on CoWin, and priced at Rs 800+GST for private markets and priced at Rs 325+GST for supplies to Govt of India and State Governments. Bharat Biotech received approval from the Central Drugs Standard Control Organization (CDSCO) for the use of heterologous booster doses of iNCOVACC. iNCOVACC was developed in partnership with Washington University, St. Louis. iNCOVACC is stable at 2-8 deg C for easy storage and distribution. This is the second heterologous booster to be included in the vaccination programme after Corbevax.



NASA Launches International Mission 'SWOT' to Survey Earth's Water

SpaceX Falcon 9 rocket launched with the Surface Water and Ocean Topography (SWOT) spacecraft. SWOT will cover the entire Earth's surface between 78 degrees south and 78 degrees north latitude at least once every 21 days, sending back about one terabyte of unprocessed data per day. The satellite will measure the height of water in freshwater bodies and the ocean on more than 90% of Earth's surface. The Surface Water and Ocean Topography (SWOT) mission is a satellite altimeter jointly developed and operated by NASA and CNES (French space agency) in partnership with the space agencies of the UK and Canada. It is equipped with an instrument called the Ka-band radar interferometer (KaRIn).



IIT Madras Researchers develop 'Sindhuja-I' Ocean Wave Energy Converter.

Together with IIT-Madras, a start-up is trying to turn ocean waves into electricity. Sindhuja-1 is the name of the gadget they developed to facilitate the idea. Sai Karthik Sunkara, a student at the National Institute of Technology in Srinagar, had the idea to harness



the energy in ocean waves. He partnered with the Ocean Engineering Department at IIT-Madras. Mr Karthik started a startup venture called Virya Paramita Energy (VPE). Sindhuja-1 is also referred to as the "Ocean Wave Energy Converter."



For the purposes of their testing researchers set the device at a depth of 20 meters and deployed it six kilometers off the coast of Tuticorin, Tamil Nadu. After positive results in their inaugural testing, researchers have set a target of generating 1 MW of power from the waves for commercial purposes by the year 2025.

Ladakh To Soon Have India's First Dark Night Sky Reserve

Recently, in a first-of-its-kind initiative, the Department of Science & Technology (DST) has announced the setting up of India's first Dark Sky Reserve in Hanle, Ladakh. A Dark Sky Reserve is a designation given to a place that has policies in place to ensure that a tract of land or region has minimal artificial light interference. The International Dark Sky Association is a U.S.-based non-profit that designates places as International Dark Sky Places, Parks, Sanctuaries and Reserves, depending on the criteria they meet.



Promote Tourism: To promote Astro-tourism, villages around Hanle will be encouraged to promote homestays equipped with telescopes that visitors can use to view the night sky. Wildlife Awareness: A visitor centre would also be set up to inform people not only about astronomy but also about the wildlife and plant life in the adjoining Changthang Wildlife Sanctuary. Ladakh Lieutenant Governor RK Mathur

Vainu Bappu Observatory

Recently, discoveries of the 40-inch telescope at the Vainu Bappu Observatory were highlighted at its 50-year celebration.

About Vainu Bappu Observatory: Vainu Bappu Observatory is considered one of the most renowned observatories in India it is Located on Javadi Hills at Kavalur, Tamilnadu, The 40-inch telescope was installed in 1972 and started producing important astronomical discoveries soon after. More than a generation of astronomers were trained at this telescope as well. The telescope

in the observatory is under the Indian Institute of Astrophysics (IIA), an institute of the Department of Science and Technology (DST)

Who is Vainu Bappu?

He was an Indian astronomer who helped to establish several astronomical institutions in India including the Vainu Bappu Observatory which is named after him. He has played a significant role in astronomy with major discoveries like the presence of rings around the planet Uranus, a new satellite of Uranus, and the presence of an atmosphere around Ganymede which is a satellite of Jupiter.

Other Observatories in India:

Solar Observatory in Kodaikanal, Tamil Nadu
Indian Astronomical Observatory in Hanle, Ladakh
Udaipur Solar Observatory in Udaipur, Rajasthan
Gauribidanur Radio Observatory in Bangalore, Karnataka

Omega Centauri

Astronomers and scientists at the Indian Institute of Astrophysics (IIA), while studying the Omega Centauri found that hot stars and white dwarfs emitted less ultraviolet radiation than expected.

A team of Scientists at the Indian Institute of Astrophysics detected strange hot stars in the Globular clusters using the Ultra Violet Imaging Telescope (UVIT) images on AstroSat (India's first dedicated space observatory, which has been operating since 2015).

What are Globular clusters?

Globular clusters are spherical aggregates of several thousand to millions of stars bound by gravity. These systems are thought to have formed early on in the Universe and can serve as perfect astrophysical laboratories for astronomers to understand how stars evolve through various phases. Omega Centauri is a globular cluster in the constellation of Centaurus that was first identified as a non-stellar object by Edmond Halley in 1677.

Located at a distance of 17,090 light-years, it is the largest-known globular cluster in the Milky Way at a diameter of roughly 150 light-years.

What is Galaxy?

A galaxy is a huge collection of gas, dust, and billions of stars and their solar systems bound together by gravity. Milky Way, is stuffed with between 100 billion and 400 billion other stars, many of them with planets of their own. The Milky Way got its name from the way it looks from the ground: like a streak of spilt milk across the sky

Pralay Missile

In a major boost to the striking capabilities of the Indian armed forces, the defense ministry has recently cleared a proposal to purchase 120 Pralay missiles for the Indian Air Force and Army.

Pralay is an indigenous short-range ballistic surface-to-surface missile. The missile will be India's first tactical quasi-ballistic missile and will give the armed forces the capability to hit enemy positions and key installations in actual battlefield areas.

Developed by: The solid-fuel, battlefield missile developed by the Defence Research Development Organisation (DRDO) is based on Prithvi Defence Vehicle from the Indian ballistic missile programme.

Features:

Pralay is powered with a solid propellant rocket motor and other new technologies. The missile guidance system includes state-of-the-art navigation and integrated avionics, according to the DRDO. The advanced missile has been developed in a way to be able to defeat interceptor missiles. It has the ability to

change its path after covering a certain range mid-air. It is capable of carrying a conventional warhead of about 350 kg to 700 kg, which gives it a deadly punitive capability.

Range: The canisterised Pralay missile, has a range of **150-500 kilometres**.

Ballistic missiles: They are initially powered by a rocket or series of rockets in stages, but then follow an unpowered trajectory that arches upwards before descending to reach its intended target at high speed. Unlike intercontinental ballistic missiles that exit the Earth's atmosphere, short-range ballistic missiles stay within it.

Brahmos

Recently, The Indian Air Force (IAF) successfully test-fired the extended Range Version of Brahmos missile from SU-30MKI aircraft against land or sea targets over very long ranges.

What are Brahmos missiles?

Brahmos is a joint venture between the Defence Research and Development Organisation of India and NPOM of Russia. It is named after the rivers Brahmaputra and Moskva. It is a two-stage, solid propellant engine in the first stage and a liquid ramjet in the second. It can be launched from land, air, and sea and multi a capability missile with pinpoint accuracy that works both day and night irrespective of the weather conditions. It operates on the "Fire and Forgets" principle it does not require further guidance after launch. These are called "standoff range weapons",e fired from a range far enough to allow the attacker to evade defensive counter-fire. Brahmos is one of the fastest cruise missiles currently operationally deployed with the speed of Mach 2.8, which is nearly 3 times more than the speed of sound.



PRALAY: Surface-to-Surface Missile

Pralay is a canisterised tactical, surface to surface, and short-range ballistic missile for battlefield use developed by the Defence Research and Development Organisation of India

ENGINE: Two stage rocket motor with third stage MaRV

SPEED: Mach 1 to 1.6

RANGE: 150-500 km

TRAJECTORY: low

GUIDANCE SYSTEM: Inertial navigation system

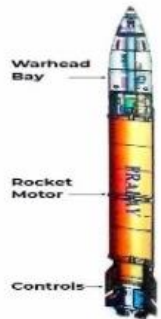
LAUNCH PLATFORM: 8x8 BEML Tatra transporter erector launcher

MASS: 5 tonnes (4.9 long tons; 5.5 short tons)

OPERATIONAL RANGE: 150-500 km (93-311 mi)

Can change its path after covering certain range mid-air and is difficult to be tracked

It is capable of being launched from a mobile launcher and has latest navigation system and integrated avionics



It has the capability to defeat interceptor missiles



DEFENCE



Exercise Sudarshan Prahar conducted by Indian Army's Sudarshan Chakra Corps

Indian Army's Sudarshan Chakra Corps carried out Exercise Sudarshan Prahar in the deserts of Rajasthan. Lieutenant General AK Singh, Goc-in-C, Southern Command witnessed Exercise Sudarshan Prahar and complimented the troops for the high standard of training and operational **preparedness**



Parakram Diwas celebrated on the occasion of 51st anniversary of Longewala battle

To mark the 51st anniversary of India's victory in the Longewala battle during the 1971 war, Parakram Diwas celebrated at Jaisalmer Military Station and Longewala War Memorial in Rajasthan on December 5.



History of Longewala battle:

The Longewala battle between India and Pakistan in 1971 was one of the biggest and most decisive battles, which is registered in the Golden words in History.

The Indo-Pakistani War of 1971 began on 3 December, with the main thrust of the Indian Army focused on East Pakistan (erstwhile Bangladesh)

This battle is famous as the Battle of Thermopylae in India, which describes the victory of a small army against a much larger military force.

This battle caused heavy losses to the Pakistani army, where around 200 soldiers were killed.

The Pakistani commanders made several questionable decisions which made them surrender the war and lose the battle.

The Thar Desert of Rajasthan became a battleground between the Indian Armed Forces and the Pakistani Army in the Battle of Longewala

US-India Naval Exercise Sangam begins in Goa

The 7th edition of Exercise Sangam, a joint Naval Special Forces exercise between Indian Navy MARCOs and US Navy SEALs commenced in Goa

The present edition which will see personnel from SEAL Team Five based at San Diego, US and Indian Navy MARCOs from INS Abhimanyu together.



About the Exercise Sangam:

Exercise Sangam was first conducted in 1994 and is an important military and diplomatic initiative between the two nations, reflective of the trust and friendship between them. It aims to exchange ideas and experiences on various aspects of Maritime Special Operations.

A joint exercise among US SEALs, Indian Navy MARCOs and other participating nations' Naval Special Forces is held annually as part of Exercise Malabar. The Sangam exercise is a bilateral exercise purely between the US and Indian Special Forces.

The exercise will be for a duration of three weeks...

Indian Navy to Participate in the First International Fleet Review of the Bangladesh Navy

The Bangladesh Navy is hosting the first-ever International Fleet Review at Inani of Cox's Bazar between **December 6 and 9**. Naval commanders, ships from some 30 countries including the United States, China, India



and the neighbouring Myanmar would participate in the international gathering.

Indian Navy ships Kochi, Kavaratti and Sumedha will participate in this.

US Pacific fleet commander Admiral Samuel J Paparo Jr, Indian chief of naval staff Admiral R Hari Kumar and Indian Coast Guard director general Virender Singh Pathania, among others, were scheduled to visit Cox's Bazar with their aircraft.

The Chinese national defense ministry on in a statement stated that their guided missile destroyer Changsha (Hull 173) set sail for Bangladesh

Countries Representing:

Naval representatives from the United Kingdom, Germany, Italy, Netherlands, Australia, China, Turkey, Egypt, Nigeria, Sudan, India, Maldives, Sri Lanka, Japan, South Korea, Indonesia, Malaysia, Myanmar, Singapore, Thailand, Timor-Leste, Iran, Oman, Palestine and Saudia Arabia would be present in the gathering

International Fleet Review -22 is being conducted by BN this year, to commemorate the Birth Centenary of the Father of the Nation, Bangabandhu Sheikh Mujibur Rahman and to celebrate the Golden Jubilee of the Independence of Bangladesh.

India-Kazakhstan joint military exercise "KAZIND - 2022" begins in Umroi, Meghalaya

The 6th Edition of Indo - Kazakhstan joint training exercise "KAZIND-22" is conducted at Umroi (Meghalaya) from 15 to 28 December 2022

KAZIND-22:

The 6th Edition of Indo – Kazakhstan joint training exercise "KAZIND-22" is conducted at Umroi (Meghalaya) from 15 to 28 December 2022. The scope of this exercise involves a Command Post Exercise (CPX) at the Battalion level and Company level Field Training Exercise (FTX) on sub-conventional operations.



Joint annual training exercise with the Kazakhstan Army was instituted in 2016 as Exercise Prabal Dostyk, which was later upgraded to a company level exercise and re-named as Ex Kazind in 2018

Kazakhstan Army soldiers comprising of troops from the Regional Command, South and Indian Army soldiers from the 11 Gorkha Rifles will be participating in the exercise "Exercise KAZIND" will enhance the level of defence co-operation between Indian Army and Kazakhstan Army which will further foster the bilateral relations between the two nations

Kazakhstan Capital: Astana;

Kazakhstan Currency: Kazakhstani Tenge

INSV Tarini to Participate in 50th edition of Cape Town to Rio Race 2023

Indian Navy's sailboat INSV Tarini has set sail for an expedition to Cape Town, South Africa for participating in the 50th edition of Cape to Rio Race 2023.



This ocean sailing race will be flagged off from Cape Town on 2 January 2023 and will culminate at Rio de Janeiro, Brazil.

The race is one of the most prestigious Trans-Atlantic Ocean races.

About The Race:

The Cape Town – Rio de Janeiro is one of the most prestigious Trans-Atlantic Ocean races. The crew, over a period of 5-6 months in this trans-oceanic voyage is expected to face extreme weather and rough sea conditions of the Indian, Atlantic and the Southern oceans.

During the expedition while transiting from Goa to Rio de Janeiro via Cape Town and back, INSV Tarini would be covering a distance of almost 17000 nautical miles.

INSV Tarini:

INSV Tarini is known for circumnavigating the globe with an all-women officer crew in the historic expedition titled 'Navika Sagar Parikrama' in 2017.

"Prahari app" of the Border Security Force

Union Home Minister Amit Shah launched the 'Prahari' Mobile app and Manual of Border Security Force (BSF) in New Delhi.



The Prahari App will enable jawans to access personal information and information related to accommodation, Ayushman-CAPF, and leaves on their mobile.

The App will also provide access to GPF, Bio Data, or grievance redressal on the 'Centralized Public Grievances Redress and Monitoring System' or Information on various welfare schemes.

The app also connects the Jawans with the portal of the Ministry of Home Affairs.

Amit Shah has urged the BSF to go through the Vibrant Village Program

The BSF Prahari App is a great example of Proactive Governance

Border Security Force (BSF) Director General **Pankaj Singh**

Fifth Scorpene Submarine 'Vagir' Delivered to Indian Navy

The fifth Scorpène submarine, Vagir of Project – 75 Kalvari Class submarines has been delivered to the Indian Navy by Mazagon Dock Shipbuilders Limited (MDL) Mumbai.



About INS Vagir:

Launched on the 12th of November 2020, Vagir commenced the sea trials on the 1st of February 2022.

In all, six submarines of the Kalvari class, based on the Scorpene design of the Naval Group of France, are being constructed at the MDL in collaboration with the Naval Group of France

About Project 75:

This project envisages indigenous construction of submarines equipped with the state-of-the-art Air Independent Propulsion system at an estimated cost of Rs. 43,000 crore.

Project 75 (I), approved in 2007, is part of the Indian Navy's 30 year Plan for indigenous submarine construction.

It will be the first under the strategic partnership model which was promulgated in 2017 to boost indigenous defence manufacturing.

The Cabinet Committee on Security, in June 1999, had approved a 30-year submarine-building plan which included construction of 24 conventional submarines indigenously by 2030.

P75I succeeded the P75 under which six diesel-electric attack submarines of the Kalvari class, based on the Scorpene class, were being built at MDL (Mazagon Dock Limited) – the third submarine, INS Karanj, was commissioned in March 2021.

Of the total 24 submarines to be built in India, six will be nuclear-powered.

India has only one nuclear submarine, INS Arihant, at the moment. The INS Arighat, also a nuclear-powered ballistic missile submarine, is to be commissioned soon.

INS Chakra, a nuclear submarine, which is taken on lease from Russia, is believed to be on its way back to the country of origin.

Pralay Missile

The Ministry of Defense has procured indigenous Short-Range Ballistic Surface-to-Surface (SRBM) Missile Pralay, giving Indian military the heft to its war-fighting capabilities.



Pralay' is India's first conventional quasi-ballistic missile and is an answer to any conventional missile attack from northern or western borders.

International Civil Aviation Organisation Ranking

International Civil Aviation Organisation Ranking: India is among the top 50 countries with best aviation safety in the latest ICAO rankings.



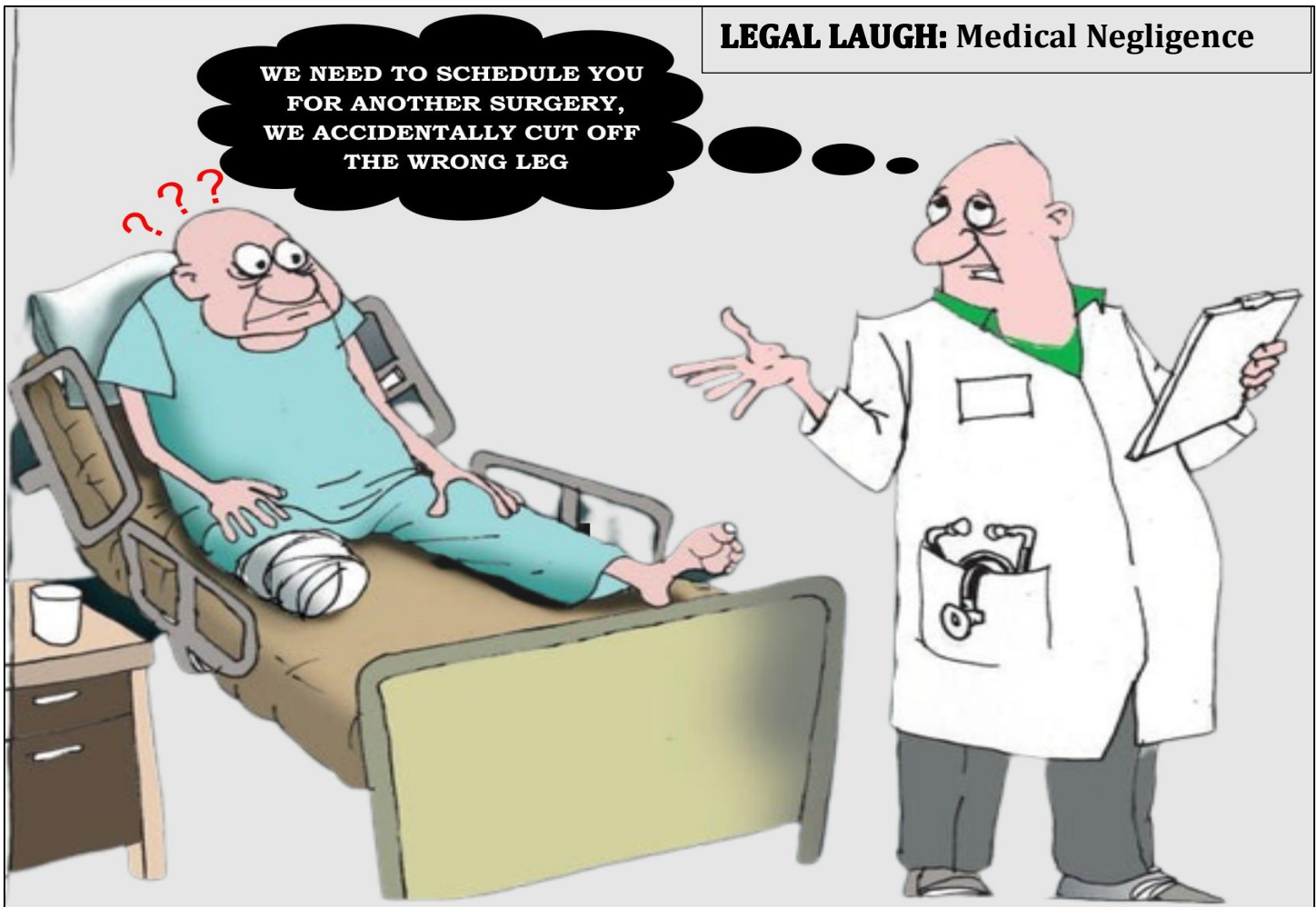
In the rankings by the ICAO, India is now at the 48th position, a “quantum leap” from the 102nd rank it had in 2018.

Exercise “SURYA KIRAN”2022

Exercise “SURYA KIRAN”2022: The 16th Edition of exercise “SURYA KIRAN” will be conducted at Nepal Army Battle School, Saljhandi, and continue up to 29 December 2022.



LEGAL LAUGH: Medical Negligence





EDITOR CHOICE



EDITOR'S CHOICE

Silences and inactivity which violate the constitution?

The founding fathers purposefully left gaps in the Constitution when the Constituent Assembly adopted it so that a future Parliament might revise and amend the Constitution in conformity with the aspirations and the desire of the people. This purportedly resulted in the creation of a constitution with glaring errors.

Gist:

1. The **Article 200** of Indian Constitution
2. **Article 201** of Indian Constitution
3. The Appointment of Judges

Here on we shall be discussing the above-mentioned silences as per the constitution which has been a point of discussion from past months.

Constitutional Scheme

When the draught of Article 200 was being examined in the Constituent Assembly, Prof. Shibban Lal Saxena correctly emphasized that the Governor had no set time limit within which to act. The Supreme Court's Constitution Bench made it clear in **Purushothaman Nambudiri v. State of Kerala (1962)** that the Constitution does not prescribe a deadline for the Governor to provide his or her assent to bills.

It is not like only with Article 200 but in Article 201 of Indian Constitution also does not prescribes any time limit for president to decide on. It is to be noted that court too does not have any occasion to discuss about the reasonability of time of governor to sit on bill. However, the Court has maintained that the Governor must honour the will of the Legislature and that the President or a Governor can act only in harmony with their Council of Ministers.

The National Eligibility Cumulative Entrance Test (NEET)-exemption Bill enacted by the Tamil Nadu Assembly was referred to the President in May 2022, but no action has been taken as of yet. Under Article 201 of the Constitution, not even the President is given a deadline by which to decide how to proceed with the Bill. There is no deadline for the President to provide assent, but if the President chooses to send the Bill back to the House, the State Assembly has six months to evaluate it.

The appointment of judges

It has been a long tussle between the executive and judiciary over the appointment of judges and the debate traces its origin in the first judges' case in 1982, **S.P Gupta v. UOI** and took the current form of collegium by the advent of third Judges Case in 1998 when the then president K.R. Narayanan used his presidential powers to question regarding collegium system. However, after that through **99th CAA** parliament introduced National judicial Appointment Commission under **Article 124A** of Indian Constitution which was later on by **SCRA v. UOI** struck down by the Apex court.

Call for reforms

There has been series of suggestion, reforms and commissions introduced that led to series of suggestion but finding it difficult to meet. Talking about article 200 and 200A to respect the validity of law made by legislature a reasonable time need to be specified.

Reasonable Time?

It would be against the law in the area of administrative law to grant administrative sanctions with an excessively long wait. As a result, it suggests that the Governor must give assent or reject the proposal within a "reasonable time." "Reasonable time" refers to the amount of time required, in the given situation, to carry out the task or contract that must be fulfilled. The Supreme Court ruled in the anti-defection law case **Keisham Meghachandra Singh v. The Hon'ble Speaker**, Manipur Legislative Assembly (2020) that the Speaker must respond to disqualification petitions against the defecting MLAs in a "reasonable time" after receiving them. In the same ruling, it was made clear that a fair amount of time for disqualification petitions is three months.

If steps not taken then it will not be more than the abuse of constitutional process and its spirit.

Views are personal to Author
Shashank Sachi



TOPIC OF THE MONTH



Belagavi a bone of contention between Maharashtra and Karnataka

About

With reports of violence in both States, including attacks on vehicles from the opposite State, the Karnataka-Maharashtra Border Dispute has intensified.

The border dispute dates back to the 1956 restructuring of the United States and has periodically flared up since then. The Supreme Court has already begun to decide the case.

When did the dispute begin?

The genesis of dispute traces back to the implementation of State Reorganization Act, 1956 that divided states on the linguistic lines on recommendation of Fazal Ali commission constituted in 1953, which has submitted its report in 1955.

Since its creation on May 1, 1960, Maharashtra has claimed that 865 villages, including Belagavi (then Belgaum), Carvar and Nipani, should be merged into Maharashtra.

These regions have a significant Marathi-speaking population. Karnataka, however, has refused to part with its territory.

On November 1, 1956, Mysore state – later renamed Karnataka – was formed, and differences between the state and the neighboring Bombay state – later Maharashtra – erupted.

Maharashtra Stand:

Maharashtra was of the view that the north-western district of Karnataka, Belagavi, should be part of the state, leading to a decade-long violent agitation during and formation of Maharashtra Ekikaran Samithi (MES) in 1948. It filed a petition in the Supreme Court in 2004, staking a claim over Belagavi.

Maharashtra has referred to Article 131 of the Constitution

Article 131: It says that the Supreme Court has jurisdiction in cases related to disputes between the Union government and states.

Karnataka Stand:

Karnataka has consistently argued that the inclusion of Belagavi as part of its territory is beyond dispute. It has cited the demarcation done on linguistic lines as per the Act and the 1967 Mahajan Commission Report to substantiate its position.

Karnataka asserts that only Parliament can decide the borders of States (Article 3 of the Constitution).

Justice Mehaarchand Mahajan Commission

On October 25, 1966, the Union government established a commission headed by former Supreme Court judge Justice Meharchand Mahajan amidst protests and pressure from Maharashtra. The chief ministers of Maharashtra and Karnataka at the time were VP Nayak and S Nijalingappa. The panel submitted its report in 1967. It recommended to merge 264 cities and villages of Karnataka with Maharashtra (including Nippani, Nandgad, and

Khanapur), as well as 247 villages of Maharashtra (including South Solapur and Akkalkot) with Karnataka.

The Report was presented to the Parliament in 1970 but was not taken up for discussion



Other Steps:

In 2010, the Union Government in its affidavit had stated that the transfer of certain areas to then Mysore (now Karnataka) was neither arbitrary nor wrong.

It had also underlined that both Parliament and the Union Government had considered all relevant factors while considering the State Reorganisation Bill, 1956, and the Bombay Reorganisation Bill, 1960.

Other Constitutional head:

Article 3: The Parliament has the power to alter the border of any State.

Article 263: In Article 263, there is provision for the formation of an Inter-State Council. The President can create an Inter-State Council for inquiring into and advising upon disputes between States.

However, there is no explicit provision for boundary disputes similar to Article 262 for settlement of water disputes.

Linking Topic:

Inter-State disputes Council:

- Established in accordance with Article 263 of Indian Constitution
- The council was established on May 28, 1990, by presidential order, in response to the Sarkaria Commission's recommendation.
- It is a constitutional, advisory, and quasi-federal body.

Composition:

The present composition of the Council is as follows:

Prime Minister Chairman

Chief Ministers of all States Members

Chief Ministers of Union Territories having a Legislative Assembly and Administrators of UTs not having a Legislative Assembly and Governors of States under President's Rule (Governor's Rule in the case of J&K) Members

Six Ministers of Cabinet rank in the Union Council of Ministers to be nominated by the Prime Minister Members

Four Ministers of Cabinet rank as Permanent invitees Members

Source - GOOGLE



LEGAL AFFAIRS



THE JAN VISHWAS (AMENDMENT OF PROVISIONS) BILL, 2022

It is a 108-page bill introduced in the Lok Sabha by the **Union Minister of Commerce and Industry, Piyush Goyal**. The bill aims to promote ease of doing business in India **by decriminalizing minor offences in 42 Acts administered by 19 ministries**. The bill proposes to replace minor offences with monetary penalties, thereby ensuring that businesses do not face prosecution for minor mistakes or irregularities. The bill also seeks to introduce a simplified dispute resolution mechanism to ensure speedy resolution of disputes. The bill is expected to simplify the regulatory environment and encourage investments in the country.



JUSTICE HEMANT GUPTA THE CHAIRMAN OF NDIAC

Justice Hemant Gupta has been appointed as the chairman of the New Delhi International Arbitration Centre (NDIAC). This appointment was made by the Appointments Committee of the Ministry of Personnel, Public Grievances and Pensions. Justice Gupta was previously a judge in the Supreme Court. In addition to Justice Gupta's appointment, two other part-time members have been appointed, Ganesh Chandru and Anant Vijay Palli. NDIAC was established to create an independent and autonomous regime for institutionalised arbitration. The appointments of Justice Gupta, Ganesh Chandru and Anant Palli are intended to ensure the success of NDIAC's mission.



THE ENERGY CONSERVATION (AMENDMENT) BILL, 2022

It has recently been passed by the Indian Parliament, amends the Energy Conservation Act, 2001 and is designed to promote energy efficiency and conservation in India.

The key features of the Energy Conservation (Amendment) Bill, 2022 are:

1. **Carbon Credit Trading:** This amendment bill enables the Indian government to specify the carbon credit trading scheme, which will help India reduce its CO2 emissions and promote renewable energy sources.
2. **Energy Conservation and Efficiency:** The bill aims to promote energy efficiency and conservation in India through energy audits, efficient energy use, and energy performance contracts.
3. **Research and Development:** The bill also provides for research and development activities related to energy conservation and efficiency.
4. **Tax Incentives:** The bill also provides for tax incentives for energy efficient projects and products.
5. **Regulatory Framework:** The bill sets up a mechanism to ensure that regulatory framework is in place to implement the provisions of the bill.
6. **Financing:** The bill also provides for financing of energy conservation and efficiency projects.



THE SUPREME COURT ON SAME SEX MARRIAGE

This is an update on two petitions that were filed in the Supreme Court of India regarding same sex marriage. The first petition was filed by Kavita



Arora, a 47-year-old psychiatrist, and asked for the case to be transferred to the Supreme Court from the Delhi High Court. The second petition was filed by Nibedita Dutta and asked for a writ of mandamus to interpret the Hindu Marriage Act, 1955. Both petitions argued that the Hindu Marriage Act is unconstitutional and violates Articles 14, 15, 19, and 21, because it does not recognize same sex Hindu marriage. The two-judge bench of the Supreme Court, comprising Chief Justice DY Chandrachud and Justice PS Narasimha, has issued notice in both petitions.

FREEDOM OF RELIGION (AMENDMENT) BILL.

The Uttarakhand State Legislative Assembly passed the Uttarakhand Freedom of Religion (Amendment) Bill. This refers to the passing of a new amendment to the existing anti-conversion law in the Indian state of Uttarakhand.



The amendment makes the existing law stricter and provides for harsher punishments for those found guilty of trying to convert someone's religion without their consent. It also prevents any person from trying to convert someone's religion through the use of force, fraud or allurement. The new amendment is designed to protect individuals from being forced or coerced into changing their religion.

THE WILDLIFE (PROTECTION) AMENDMENT BILL, 2022

The Wildlife (Protection) Amendment Bill, 2022 is a bill that was recently passed by India's Rajya Sabha, the upper house of the Parliament. This bill makes changes to the Wildlife (Protec-



tion) Act, 1972 and is intended to give effect to India's obligations to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). The Bill was previously approved by the Lok Sabha, the lower house of the Parliament, on August 2nd of this year.

READY RECKONERS

National Commission for Women filed a Public Interest Litigation (PIL) in Supreme Court asking to make the Age of Marriage of Muslim Girl same as that of other religion.

High Court of Kerala recommended Central Government to make Uniform Marriage Code that shall be applicable to the whole country.

A collegium of Supreme Court headed by CJI (Chief Justice of India) Hon'ble Justice D.Y. Chandrachud, recommended the names of five Judges to be made judge of Supreme Court of India, namely (i) Justice Sanjay Karol; (ii) Justice Pankaj Mittal; (iii) Justice Manoj Mishra; (iv) Justice PV Sanjay Kumar (v) Justice Ahasanuddin Amanullah. Kerala High Court live streamed its proceeding on YouTube for the first time.

The Madras High Court directed the State to prohibit the use of Mobile Phones, Cameras etc. The reason stated by the court is that it deviates the attention of devotees.

Recently in a case of Yogesh Parihar v Delhi Technical University & ors. Stated that "*student who uses unfair means in exam cannot contribute to nation building and should be dealt strictly*"

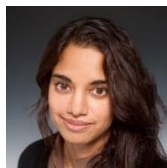


MANAGEMENT AFFAIRS



Mala Gaonkar firm saw the biggest launch of a hedge fund led by a woman

Indian-American portfolio manager Mala Gaonkar has a lot of feathers in her cap, but the most recent one is the largest debut of a hedge fund led by a woman. Her hedge fund SurgoCap Partners has \$1.8 billion under management. According to a report in Bloomberg, SurgoCap will use data science to invest in sectors such as financials, industrials, health care and enterprise data that can be enhanced with technology. It will be on and against stocks and will invest around a quarter of its assets in private companies. Mala Gaonkar, along with Sema Sgaier initially co-founded Surgo Foundation in 2015. The foundation sought to bring a customer-driven approach to global health.



Amazon to set up facility in Vishakhapatnam

The world's biggest online retailer Amazon will establish a facility here in 2023. It would serve as a centre for development of system software and IT services. The Software Technology Parks of India (STPI) here announced via its Twitter account that Amazon would establish a facility in the park with an initial expenditure of Rs 55.65 lakh and create about 120 job opportunities. In the next three years, software export is expected to touch around Rs 184 crore.



Elon Musk becomes first person ever to lose \$200 billion

Elon Musk was the second person ever to amass a personal fortune of more than \$200 billion, breaching that threshold in January 2021, months after Jeff Bezos. The Tesla Inc. chief executive officer has now achieved a first of his own: becoming the only person in history to erase \$200 billion from their net worth.





NOTIFICATION AND EXAM CALENDAR



SYMBIOSIS LAW APTITUDE TEST (SLAT) -2023

Symbiosis Motto: "Vasudhaiva Kutumbakam" means "World is one Family"

Symbiosis is a family of academic institutions which include University, Colleges, Centers, and Schools which have been imparting quality education for **50 years**. It is host to over **40,000** Indian and International students on campus. These campuses epitomize the Symbiosis vision, **'Promoting International Understanding through**

SLAT 2023: Important Dates

SLAT 2023 Notification is now out at set-test.org,

Event	Dates
SLAT 2023 Notification	December 15, 2022
SLAT 2023 application form opens	December 15, 2022
Last date to apply	April 12, 2023
SLAT 2023 Admit card	April 22, 2023 (Saturday) for Test 01 April 28, 2023 (Friday) for Test 02
SLAT 2023 Exam Date 2023	Test 01 – May 06, 2023 (Saturday), 09.00 am to 10.00 am Test 02 – May 14, 2023 (Sunday), 09.00 am to 10.00am
SLAT 2023 result declaration	May 24, 2023

SLAT 2023: Exam Pattern

Section	TEST	No. of Questions	TOTAL MARKS
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1	Logical Reasoning	12	12
2	Legal Reasoning	12	12
3	Analytical Reasoning	12	12
4	Reading Comprehension	12	12
5	General Knowledge	12	12
Total		60	60

How can you apply?

Link: <https://www.set-test.org/slat-overview.html>

Narsee Monjee Institute of Management Studies (NMIMS) NPAT:

Important Dates: The NMIMS School of Law (SOL) approved by the Bar Council of India aims to provide quality legal education in order to meet the aforementioned challenges.

Name of Event	Start Date	Closure Date
NMIMS LAT 2023 Application Form availability	1st December 2022	21st May 2023
Exam date Scheduling window	6th December 2022	23rd May 2023
NLAT 2023 Exam Date	4th January 2023	31st May 2023
NMIMS LAT 2023 Exam Result	The First week of June 2023	

LAT 2023: Exam Pattern

No. of sections	Test	No. of Questions	Time in minutes	Marks
1	Verbal Reasoning	30		30
2	General Knowledge	30		30
3	Quantitative Reasoning	30		30
4	Logical Reasoning	30		30
5	Legal Reasoning	30		30
Total		150	120	150

How can you apply?

Students can fill <https://apply.nmims.edu/nmims-lat-2023> via online mode only.

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APPOINTMENT/ RESIGN/ DEATH



Former President of China Jiang Zemin Passes Away

Jiang Zemin, former President of China who presided over more than a decade of economic growth after the 1989 Tiananmen crackdown against pro-democracy protesters, passed away at the age of 96 in Shanghai, China. He died from leukemia and multiple organ failure. Jiang Zemin was born in 1926 in Yangzhou, Jiangsu province, China.



After the 1989 Tiananmen crackdown, Jiang Zemin governed the Communist Party's divisions while leading China through history-making changes.

Market-oriented reforms were revived, Hong Kong gained independence from the British in 1997, and Beijing joined the World Trade Organization (WTO) in 2001. He helped pulling in foreign investment after China joined the WTO. Jiang Zemin served as the head of the Communist Party from 1989 to 2002.

Senior journalist Ravish Kumar resigns from NDTV following Adani acquisition

A senior journalist, **Ravish Kumar** has resigned from NDTV according to news sources. This comes just a day after the channel's founders and promoters **Prannoy Roy** and **Radhika Roy** resigned from their positions as directors on the board of **RRPR Holding Private Limited (RRPRH)**. The senior journalists resignation come after the news channel was acquired by the Adani Group, and holds 29.18% stake in the news channel.



Kumar, a winner of the **Ramon Magsaysay award**, used to host a number of programs including the channel's flagship weekday show *Hum Log*, *Ravish ki Report*, *Des Ki Baat*, and *Prime Time*. He has also been conferred with the **Ramnath Goenka Excellence in Journalism Award** twice.

Prasanth Kumar elected as new president of AAI

Prasanth Kumar, CEO, South Asia of GroupM Media (India) Pvt Ltd, has been elected as the president of the **Advertising Agencies Association of India (AAAI)**.



Vijender Sharma elected as the President of the Institute of Cost Accountant of India

The Institute of Cost Accountants of India said that **Vijender Sharma** has been elected as the **new president** and **Rakesh Bhalla** as **vice-president for 2022-23**. The institute, which is a statutory body set up under an Act of Parliament, comes under the administrative control of Union Ministry of Corporate Affairs.



Sanjay Kumar named as secretary of Department of School Education

IAS **Sanjay Kumar** took charge as **Secretary of the Department of School Education and Literacy**, Ministry of Education in Shashtri Bhawan in New Delhi.



Hansraj Gangaram Ahir named as the new NCBC chairperson

Former Union Minister **Hansraj Gangaram Ahir** has assumed charge as **Chairperson** of the **National Commission for Backward Classes (NCBC)**. He is an Agriculturist by profession, read a statement from the Ministry of Social Justice & Empowerment. He had been elected four times Member of Parliament from Parliamentary Constituency Chandrapur, Maharashtra and also, he was Member of the Maharashtra Legislative Council. He had been Union Minister of State for Home Affairs and Union Minister of State for Chemicals and Fertilizers, Government of India the 16th Lok Sabha.



Former Union minister and noted economist Yoginder Alagh passes away

Prof Yoginder K Alagh, renowned economist, academic and a former Union minister, has passed away. He was emeritus professor at Ahmedabad-based **Sardar Patel Institute of Economic and Social Research (SPIESR)**.



Born in Chakwal, in present-day Pakistan, in 1939, Alagh studied at the University of Rajasthan and later got a doctorate in economics from the University of Pennsylvania, USA.

Scientist K.V. Suresh Kumar appointed as Chairman & MD of BHAVINI

Distinguished Scientist of Department of Atomic Energy, **K.V. Suresh Kumar** has assumed charge as Chairman and Managing Director of **BharatiyaNabhikiya-Vidyut Nigam Limited (BHAVINI)** on 2nd December 2022 at Kalpakkam.

His tenure will be for three years.



NABARD named Shri Shaji KV as Chairman

K V Shaji has been named Chairman of the **National Bank for Agriculture and Rural Development (NABARD)**. He formerly served as **NABARD's Deputy Managing Director (DMD)** till May 21, 2020. He is an agricultural graduate with a PGDM in Public Policy from the Indian Institute of Management (IIM) in Ahmedabad.



Tata Sons Chairman N Chandrasekaran appointed as the Chairman of B20

Chairman of Tata Sons, **N Chandrasekaran** has been appointed as the chair of **B20 India** which represents the entire **G20 business community**. He will lead the business agenda during India's G20 Presidency.



Meghna Ahlawat has been elected as first female president of TTFI

Meghna Ahlawat was elected president of the **Table Tennis Federation of India**. Meghna Ahlawat has been elected its first female President, eight-time national champion **Kamlesh Mehta** takes over as the new secretary general of the TTFI and **Patel Nagender Reddy** has been elected as the Treasurer.



Ahlawat, who is the wife of Haryana deputy chief minister Dushyant Chautala, contested against Gujarat home minister Harsh Sanghvi.

Sushmita Shukla appointed as VP & COO, Federal Reserve Bank

The **Federal Reserve Bank of New York** has appointed Indian-origin **Sushmita Shukla** as its **First Vice President, and Chief Operating Officer (COO)**, making the insurance industry veteran its highest-ranked official after President and



CEO, **John C Williams**. The appointment was approved by the Board of Governors of the Federal Reserve System
GoI appointed Meenesh C Shah as the Managing Director of NDDB

National Dairy Development Board (NDDB) has appointed **Meenesh C Shah** as its Managing Director with effect from **November 15**. Union Fisheries, Animal Husbandry and Dairying Minister Parshottam Rupala informed that the Gujarat-based NDDB does not have regular chairman since December 2020.



Padma Shri awardee & Veteran Lavani Singer Sulochana Chavan passes away at 92

Renowned Marathi Lavani singer **Sulochana Chavan** has passed away at the age of 92. Earlier this year, Chavan was awarded the Padma Shri and also conferred the title of '**Lavani Samradnyi**' (Queen of Lavani) for her contribution to the traditional Maharashtrian musical genre of Lavani, associated with the folk theatre of **Tamasha**.



BJP's Bhupendra Patel sworn-in as Gujarat CM for 2nd consecutive term

Bhupendra Patel took oath as the **Chief Minister of Gujarat** for a **second straight term** in **Gandhinagar**. He was administered oath as the 18th Chief Minister of Gujarat by Governor **Acharya Devvrat**.



Justice Dipankar Dutta takes oath as judge of Supreme Court

Justice **Dipankar Dutta** has taken oath as a judge of the **Supreme Court**. Chief Justice of India **DY Chandrachud** administered the oath to Justice Dutta in the swearing-in ceremony in the Supreme Court in the presence of all judges.



Legendary PT Usha elected as first woman president of Indian Olympic Association

Legendary athlete **Pilavullakandi Thekkerapambal Usha** or **PT Usha** was elected as the first woman president of **Indian Olympic Association (IOA)**.

The 58-year-old Ms. Usha, a multiple Asian Games gold medallist and fourth-place finisher in the 1984 Los Angeles Olympics 400m hurdles final, was declared elected unopposed for the top post in the polls.



WHO names Sir Jeremy Farrar as its new chief scientist

World Health Organization (WHO) announced that Dr Jeremy Farrar will become its new Chief Scientist. Currently, Director of the Wellcome Trust, Dr Farrar will join WHO in the second quarter of 2023.



Senior Dr. PC Rath elected as President of Cardiological Society of India

Senior cardiologist from Hyderabad, Dr PC Rath, was formally elected president of the Cardiological Society of India (CSI) for the year 2023-24, in an annual meeting held in Chennai.



Poland's only cosmonaut Gen Miroslaw Hermaszewski passes away

Poland's only cosmonaut Gen Miroslaw Hermaszewski passed away recently at the age of 81. He circled the Earth in a Soviet spacecraft in 1978. Hermaszewski became a national hero thanks to his trip to space.



Harvard University named Claudine Gay as first black president

Harvard University named Claudine Gay, a dean of the Faculty of Arts and Science, as its new president, the first African American to hold the post at the prestigious university.



Hawaii's Last Princess, Abigail Kawānanakoa passes away

Abigail Kinoiki Kekaulike Kawānanakoa, a Hawaiian princess whose lineage included the royal family that once ruled the islands and an Irish businessman who became one of Hawaii's largest landowners, passed away at the age of 96 in Honolulu, Hawaii.



Lance Naik Bhairon Singh Rathore passes away

Lance Naik Bhairon Singh Rathore, a BSF veteran and hero of the 1971 India-Pakistan War, passed away in Jodhpur at the age of 81. The BSF veteran's bravery at Rajasthan's Longewala post during the war was portrayed by actor Suniel Shetty in the Bollywood movie 'Border'. He served in the 14th BSF unit during the war and retired from service in 1987.



The operations room of 12 Infantry division had received a telegram, warning that Pakistan may launch a huge offensive and raid the border outpost on 3 or 4 December, 1971.

He was awarded the Sena Medal in 1972 for his bravery.

Senior nuclear scientist Dinesh Kumar Shukla named as new head of AERB

According to an order issued from the Department of Personnel & Training (DoPT), the Appointments Committee of the Cabinet (ACC) has approved the appointment of Dinesh Kumar Shukla to the post of Chairperson of the Atomic Energy Regulatory Board (AERB). Shukla is the Former Executive Director of AERB.



Gamaka exponent and Padma Shri awardee, H.R Keshava Murthy passes away

H.R. Keshava Murthy, a senior gamaka exponent, who was honored with Padma Shri earlier this year, passed away. He was born in a family of gamaka artists. He had his initial training from his father Ramaswamy Shastri.



Centre appoints former SC Judge Hemant Gupta as head of New Delhi International Arbitration Centre

Former Supreme Court judge, Hemant Gupta has been appointed as the chairperson of New Delhi International Arbitration Centre (NDIAC). The NDIAC was established for the purpose of creating an independent and autonomous regime for institutionalised arbitration.



PM Modi mother Heeraben dies

"Smt Hiraba Modi passed away on 30/12/2022, during the treatment at UN Mehta Heart Hospital. Informing about her death, the Prime Minister posted a heartfelt tweet early this morning, "A glori-



ous century rests at the feet of God... In Maa, I have always felt that trinity, which contains the journey of an ascetic, the symbol of a selfless Karma yogi and a life committed to values."

As the news of her passing emerged, condolences and tributes began pouring in.

SBI Funds Management appoints Shamsher Singh as new MD, CEO of company

State Bank of India: SBI Funds Management has appointed Shamsher Singh as managing director and chief executive officer of the company.

Singh, who was deputy managing director at State Bank of India (SBI), has taken over the charge from Vinay M Tonse.



Anil Kumar Lahoti named as next railway board chairman and CEO

Anil Kumar Lahoti has been appointed as the Chief Executive Officer and Chairman of the Railway Board. The former General Manager of Central Railway was appointed as Member (Infrastructure) of the board a week ago, and will be taking over the chairmanship from Vinay Kumar Tripathi on January 1.



Ganji Kamala V Rao Appointed as Chief Executive Officer at FSSAI

Shri Ganji Kamala V Rao IAS has been appointed as the Chief Executive Officer of the Food Safety & Standards Authority of India (FSSAI). Shri Ganji Kamala V



Rao IAS is currently serving as the Managing Director of Indian Tourism Development Corporation Ltd. Santosh Kumar Yadav Appointed as Chairman of NHAI.

Santosh Kumar Yadav, the senior bureaucrat, was appointed as the Chairman of the National Highway Authority of India (NHAI).



Lieutenant General Arvind Walia appointed Engineer-in-Chief of Army

Lieutenant General Arvind Walia has been appointed as the next Engineer-in-Chief of the Indian Army. He would be succeeding Lt Gen Harpal Singh who is superannuating on December 31.



Brazil World Cup winner and football legend, Pele passes away

Brazilian football legend Edson Arantes do Nascimento, famously called Pelé, has passed away aged 82. He is considered by many as one of the greatest footballers of all time. He was instrumental in Brazil's three World Cup victories in 1958, 1962, and 1970. He is still the top scorer for Brazil national team with 77 goals in 92 games.



PM Modi's mother Heeraben dies at 99, PM Modi begin the Cremation rites

Heeraben Modi (Hiraben Modi), mother of Prime Minister Narendra Modi, passed away early on Friday (30 December 2023) in an Ahmedabad hospital.

Heeraben was 99. The news of her passing was announced in a bulletin from the UN Mehta Institute of Cardiology and Research Centre, where she was taken on Wednesday when her condition began to deteriorate.



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AWARDS AND HONOURS

**South Korea's Mina Sue Choi Crowned Miss Earth 2022**

South Korea's **Mina Sue Choi** was crowned **Miss Earth 2022** during the pageant's coronation night on November 29 at Cove Manila, Okada Hotel, **Parañaque City**. There were 86 Eco-warriors, and only three queens were awarded the pageant's three elements titles.



Miss Fire 2022 is Andrea Aguilera of Columbia, **Miss Water 2022** is Nadeen Ayoub of Palestine, and **Miss Air 2022** is Sheridan Mortlock of Australia. During the pre-pageant activities, Choi bagged a few medals too. She won resort wear, long gown, beach wear, and swimsuit competition.

India's Greenhouse-in-a-Box startup Kheyti won Earthshot Prize 2022

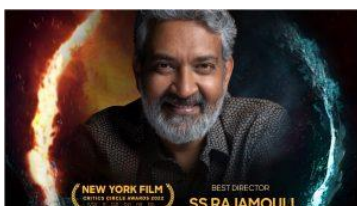
India's Greenhouse-in-a-box was among the five winners announced by the Prince of Wales, Prince William, in Boston, United States. It is a sustainable solution for small-scale farmers developed by an **Indian startup, Kheyti**, in Telangana which has won one million pounds (\$1.2 million).

**Canara Bank won Banker's Bank of the Year Award**

Canara Bank won the '**Banker's Bank of the Year Award 2022**' for India segment at the **Global Banking Summit held in London**. Bank Managing Director and Chief Executive Officer **LV Prabhakar** received the award from the organisers.

**New York Film Critics Circle awards 2022: Filmmaker SS Rajamouli won Best Director**

Filmmaker **SS Rajamouli** won the **Best Director Award for RRR** at the **New York Film Critics Circle 2022**. The group is one of the first critics' groups to weigh in on the awards season.



Time magazine named President **Volodymyr Zelensky** as well as "**the spirit of Ukraine**" as its 2022 person of the year, for the resistance the country has shown in the face of Russia's invasion.

Zelensky shares the 2022 title with "the spirit of Ukraine," which Felsenthal said was embodied by the "countless individuals inside and outside the country" who fought behind the scenes, including everyday people such as chefs and surgeons.



Time Heroes of the Year: Women in Iran were named the **Time Heroes of the Year**. Iranian women who are protesting for over three months against the custodial death of 22-year-old **Mahsa Amini**. She was arrested for not wearing hijab publicly and she died while in the custody of the Iranian morality police. Her death has triggered a mass protest from the Iranian women against public wearing of Hijab and the morality police.

Time's Entertainer of the year: The South Korean K-pop band **Blackpink** were recognised as.

Athlete of the Year: American baseball player **Aaron Judge**.

Icon of the Year: Malaysian actress **Michelle Yeoh**.
C.N. Manjunath, Krishnappa G. and S. Shadakshari received Nadoja Award

Cardiologist and director of Sri Jayadeva Institute of Cardiovascular Sciences and Research **C.N. Manjunath**, writer **Krishnappa G.** and social activist and businessman **S. Shadakshari** have been selected for the **Nadoja Award** given by Kannada University in Hampi.

**Veena Nair won Prime Minister's prize in Australia**

Indian-origin teacher in **Australia** has received the **2022 Prime Minister's Prize for Excellence in Science Teaching** in secondary schools.



Melbourne-based **Veena Nair**, who is View Bank College's Head of Technology and STEAM project leader, has been awarded for demonstrating practical application of STEAM to students, and how they can use their skills to make a real impact in the world.

Indian-American Krishna Vavilala receives US Presidential Lifetime Achievement Award

US President **Joe Biden** has recognised Indian-American and a longtime Houstonian, **Krishna Vavilala**, with the **Presidential Lifetime Achievement Award (PLA)**, the nation's highest honour for his contributions to his community and the country at large.



Jamnalal Bajaj Award 2022 announced

The **Jamnalal Bajaj Foundation** has on 8 December 2022 announced the winners of the **Jamnalal Bajaj award 2022**. The Foundation gives 4 awards in different categories. Three are given to Indians and one award, for promoting Gandhian values outside is given to a foreigner.



Nilesh Desai of Madhya Pradesh has been chosen for the Jamnalal Bajaj award for Constructive Works.

Mansukhbhai Prajapati of Gujarat was awarded the Jamnalal Bajaj award for Application of Science and Technology for Rural Development.

Sophia Saik of Odisha was awarded the Jamnalal Bajaj award for Development and Welfare of Women and Children.

Dr Ogirat Younan and Dr Walid Slyabi of Lebanon was awarded the Jamnalal Bajaj award for Promoting Gandhian Values outside India.

Jamnalal Bajaj Awards are categorized into three National and one International Award. Each award carries a Citation, a Trophy and a Cash Prize of **Rs. 10, 00,000**.

CoP27: Swayam Shikshan Prayog Has Been Awarded the Local Adaptation Champions Awards

Swayam Shikshan Prayog (SSP), Maharashtra-based Organisation has been awarded the **Local Adaptation Champions Awards**, organised by the **Global Center on Adaptation (GCA)** at the ongoing **COP27** in Sharm El-Sheikh, Egypt.



J & K Awarded 1st Prize in Category for Ayushman Bharat Health Account ID Generation

Jammu and Kashmir has been awarded **1st prize** in the category for **Ayushman Bharat health account ID generation** and **2nd prize** in the category



for **Teleconsultation** conducted during the celebration of **Universal Health Coverage Day 2022**.

SpiceJet awarded 'Safety Performer of the Year' award by GMR Delhi airport

SpiceJet has been awarded the '**Safety Performer of the Year**' award by **GMR Delhi Airport Awards** for being the top performer among the self-handling airlines and as it has been able to reduce ground safety violations significantly.



SS Rajamouli "RRR" bags two Golden Globe Award nominations

SS Rajamouli-directed period movie '**RRR**' has been nominated in two categories at the **Golden Globe Awards** to be held in January 2023.



The **Hollywood Foreign Press Association (HFPA)** has nominated '**RRR**' in the **Best Picture: Non-English language** and **Best Original Song Naatu Naatu**.

Sargam Koushal wins Mrs. World 2022 title after 21 years

Sargam Koushal created history as she finally won the **Mrs. World 2022** title after 21 years while competing for India in the pageant. The 32-year-old won the competition in Las Vegas after defeating competitors from 63 other nations.



Sargam Koushal beat **Mrs. Polynesia** to win the title. The **Jammu and Kashmir**-born beauty queen previously worked as a teacher in **Vizag**.

Her husband works for the **Indian Navy**.

PETA India's 2022: Sonakshi Sinha named as 'Person of the Year' title

Bollywood actress, **Sonakshi Sinha** has been awarded **PETA India's 2022 Person of the Year** title.

Sonakshi's actions helped save the lives of many animals killed for fashion, but her strong advocacy for dog and cat rights earned her the title.



British magazine's list of 50 greatest actors of all time named Shah Rukh Khan

Bollywood superstar, **Shah Rukh Khan** has become the only Indian to be named in an international list of **50 greatest actors of all time** by a prominent British magazine.



The 57-year-old actor is included in Empire magazine's list which also recognises Hollywood giants like Denzel Washington, Tom Hanks, Anthony Marlon Brando, Meryl Streep, Jack Nicholson and many others.

Kura Pokkhir Shunye Ura and Upon Entry Awarded Best Film at KIFF

Kura Pokkhir Shunye Ura (The Golden Wings of Watercocks) of Bangladesh and Upon Entry of Spain won the Best Film Award at the **28th Kolkata International Film Festival**.



Upon Entry is a film from Spain which is a story about the unexpected interrogation of a couple from Barcelona that has to go through after landing in New York with pre-approved immigration visas. **Kura Pokkhir Shunye Ura** is a Bangladeshi Film that revolves around the journey of a peasant who is affected by the fury of nature.

The best film at the **International Film Festival** gets the Golden Royal Bengal Tiger Award and prize money of ₹51 lakh.

Virna Molina and Ernesto Ardito of Argentina won the **Best Director Award** for the film Hitler's Witch.

Beth Mead Awarded BBC Sports Personality of the Year 2022 Award

Beth Mead has been awarded the **BBC Sports Personality of the Year for 2022** as she was the player of



the tournament and top scorer at **Euro 2022**.

Indian Scientist Prof. Thalappil Pradeep Awarded VinFuture Special Prize 2022

Professor Thalappil Pradeep, Indian Scientist, India Institute of Technology, Madras received VinFuture special Prize on 20th December 2022 in Hanoi. Prof Thalappil Pradeep was awarded for the innovation of a **low-cost filtration system** to remove arsenic and other heavy metals from groundwater.



Sudeep & Shobhana won Rabindranath Tagore Literary Prize 2021-22

Rabindranath Tagore Literary Prize: The **Rabindranath Tagore Literary Prize** has been jointly won by **Sudeep Sen** for his genre and formbender Anthropocene: Climate Change, Contagion, Consolation (Pippa Rann Books & Media, 2021) and **Shobhana Kumar** for her haibun collection A Sky Full of Bucket Lists (Red River, 2021).

The winners, awarded \$10,000 and a Rabindranath Tagore statuette, were picked from a shortlist of 11 at India International Centre, with the Tagore Prize for social achievement going to Sanjoy K Roy, producer of the Jai-pur Literature Festival.



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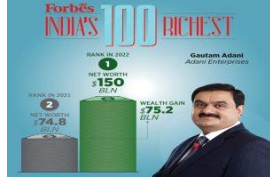


REPORTS AND INDEX



India's 100 Richest 2022: Gautam Adani tops Forbes rich list

The world economy may be slowing but India's richest have grown even richer this year. The **Forbes 2022 list of India's 100 richest** is finally here, according to which, the combined wealth of India's 100 richest grew by \$25 billion to touch a colossal \$800 billion.



The top 10 richest Indians are worth a cumulative \$385 billion. **Adani Group chairman Gautam Adani** has bagged the top spot on the list with a net worth of \$150 billion. According to Forbes, the gain was largely due to a record-breaking feat by infrastructure tycoon, which changed the pecking order at the top for the first time since 2008.

Top 10 names in the list:

RANK	NAME	NET WORTH (in Rupees)
1	Gautam Adani	Rs 1,211,460.11 crore
2	Mukesh Ambani	Rs 710,723.26 crore
3	Radhakishan Damani	Rs 222,908.66 crore
4	Cyrus Poonawalla	Rs 173,642.62 crore
5	Shiv Nadar	Rs 172,834.97 crore
6	Savitri Jindal	Rs 132,452.97 crore
7	Dilip Shanghvi	Rs 125,184.21 crore
8	Hinduja Brothers	Rs 122,761.29 crore
9	Kumar Birla	Rs 121,146.01 crore
10	Bajaj Family	Rs 117,915.45 crore

List of countries at risk of mass killings: India ranked 8th

As per the recent report by the US think tank **Early Warning Project**, India is ranked **8th** among the countries that are at the highest risk for mass killing in



2022 and 2023. India has seen a drop in rank from second position in the earlier year.

"India's shift in rank from second to eighth can be most attributed to an improvement in the freedom of movement for men [which is one of the variables used for the analysis]," the report said.

Pakistan is estimated to have about a one in six chance of experiencing a new mass killing in 2022 or 2023, it said. While Pakistan topped the list this year, **Yemen ranked second, Myanmar third, Ethiopia fifth, Nigeria sixth and Afghanistan seventh**, among all 162 countries, the 2022-23 report said.

India has performed worse than **Sudan (ninth), Somalia (10th), Syria (11th), Iraq (12th), and Zimbabwe (14th rank)**.

According to the 2021-2022 report, India was ranked in the second position among the top 15 highest-risk countries for the last five years.

Global Water Resources Report 2021 Released by WMO

WMO (World Meteorological Organization) has released its first annual **State of Global Water Resources Report 2021**. The aim of this annual report is to support monitoring and management of **global freshwater resources** in an era of growing demand and limited supplies.

The report gives an **overview of river flow**, as well as **major floods and droughts**. It provides insights into hotspots for changes in freshwater storage and highlights the crucial role and vulnerability of the cryosphere (snow and ice).

The report shows how large areas of the globe recorded drier than normal conditions in 2021 – a year in which precipitation patterns were influenced by climate change and a **La Niña event**. The area with below-average streamflow was approximately two times larger than the above-average area, in comparison to the **30-year hydrological average**.

India ranked 48th in Global Aviation Safety Rankings 2022

According to DGCA officials, **India** has jumped to the **48th position** in the global aviation safety ranking by the **International Civil Aviation Organization (ICAO)**.

Four years ago, the country was ranked at the 102nd position. In the ranking, Singapore is at the top, followed by the UAE and South Korea at the second and



third positions, respectively, the officials said. China is at the 49th place.

Adani Green becomes World's Largest Wind-Solar Hybrid Power Developer

Adani Green Energy Ltd (AGEL), the renewables arm of Adani Group, has commissioned its third wind-solar hybrid power plant at **Jaisalmer in Rajasthan**. Earlier, in May 2022, AGEL had operationalised India's first hybrid power plant of 390 MW.



This was followed by the commissioning, in September 2022, of the **world's largest co-located hybrid power plant of 600 MW**. Both these hybrid energy generation assets are located in Jaisalmer, Rajasthan. With the successful commissioning of this 450 MW plant, AGEL now has a total operational generation capacity of 7.17 GW. This also makes AGEL the world's largest wind-solar hybrid power farm developer.

SIPRI: HAL and BEL in the top 100 defence companies list

The government's Make-in-India push in indigenous defence production seems to be bearing positive results as the two Indian Defence Public Sector Undertakings, **Hindustan Aeronautics Limited (HAL)** and **Bharat Electronics Limited (BEL)**, have improved upon their previous rankings among the arms producing companies of the world. HAL ranked at 42nd as BEL bagged the 63rd place with a total evaluation of \$5.1 Billion in 2021.



The combined arms sales of these six companies grew by 0.4 per cent to reach \$17.8 billion in 2021. The overall leader has been companies belonging to the **US with a share of 51 per cent of the total arms sales**.

BC Releases 100 Most Influential Women's List: 4 Indian women in the list

The British Broadcasting Corporation (BBC) has published the list of **100 most influential women in the world** and has included women from several areas such as **politics, science, sports, entertainment, and literature**.



The BBC's 100 most influential women's list also includes four Indians: **Actress Priyanka Chopra Jonas, author Geetanjali Shree, engineer and astronaut Sirisha Bandla, and social worker Sneha Jawale**.

India to Become 8th Largest Advertising Market in 2023

According to **GroupM's global end-of-year forecast**, India is expected to **surpass Brazil to become the eighth-largest advertising market** in 2023. In 'This Year, Next Year 2022', **GroupM has ranked India as the ninth-largest advertising market globally**.



According to the report, **India's total advertising revenue in 2022 has grown by 15.8 per cent to touch \$14.9 billion**, led by growth in pure-play digital advertising. In 2023, it is expected to increase by 16.8 per cent.

IPL remains the most searched query on Google in India on 2022

Google has released its "Year in Search 2022" report, which highlights the topics that generated the most interest and were most frequently searched on the website this year. India's search trends have changed noticeably since last year, according to the list, which is published annually for various nations.



The Indian Premier League (IPL), which was also the most searched sporting event in the nation, came out on top of all 2022 trending search results in India.

Gautam Adani and 2 other Indian billionaires on Forbes Asia Heroes of Philanthropy list

Billionaires **Gautam Adani**, HCL Technologies' **Shiv Nadar**, and Happiest Minds Technologies' **Ashok Soota** are the three Indians who have been named in the **16th edition** of the annual list.



India ranked 87th in the world's strongest passport list 2022

Passport Index 2022 published by **Arton Capital** ranked the world's strongest and weakest passports. A passport is a travel document issued by a country's government to its citizens that verifies the identity and nationality of the holder for the purpose of international travel. **India was ranked at 87th position in the world's strongest passport list**.



The UAE has the strongest passport in the world.

Nirmala Sitharaman, Falguni Nayar in 'World's 100 Most Powerful Women' list

Finance Minister **Nirmala Sitharaman**, Biocon Executive Chairperson **Kiran Mazumdar-Shaw** and Nykaa founder **Falguni Nayar** are among six Indians who have made it to the Forbes' annual list of "The World's 100 Most Powerful Women".

Ranked at number 36, Nirmala Sitharaman has made it to the list for the fourth time in a row. In 2021, the 63-year-

old minister was ranked at number 37 in the list, while she was in the 41st spot in 2020 and 34th in 2019.

HCLTech Chairperson **Roshni Nadar Malhotra** (rank: 53), Securities And Exchange Board Of India (SEBI) Chairperson **Madhabi Puri**



Buch (rank: 54), Steel Authority Of India Chairperson **Soma Mondal** (rank: 67).

For her leadership during the Ukraine war, as well as her handling of the Covid-19 pandemic, European Commission president **Ursula von der Leyen** sits atop the 19th annual Forbes list of the World's 100 Most Powerful Women.

Hurun Global 500 rankings: India ranked 5th in the list of valuable companies

India, with 20 of the most valuable companies in the world, has moved into the **fifth position** among countries that are home to the world's top 500 firms.

Last year, it ranked ninth with eight companies. The US continued to top the charts, according to the **2022 Hurun Global 500 list**.



The list, released by the **Hurun Research Institute**, is a compilation of the 500 most valuable non-state-controlled companies in the world. Companies were ranked according to their market capitalisation (for listed companies) and valuations for non-listed companies.

Global Trade Surges to \$32 Trillion Record in 2022 Says UN

The value of **global trade** is set to reach a new record this year, increasing by about **12 per cent** to an estimated **\$32 trillion**, according to a UN report that signaled a slowdown heading into 2023.



"The substantial trade growth during the last year was largely due to **increases in the value of the trade of energy products**," the **United Nations Conference on Trade and Development** said in the report.

Trade in **merchandise goods** soared to **\$25 trillion**, an increase of about 10 per cent versus the prior year. **Trade in services** grew 15 per cent year-over-year to nearly **\$7 trillion**, according to the report.

UN Ranks 'Namami Gange' Project Among World's top 10 Initiatives

The **United Nations** has recognised the **Namami Gange initiative** to rejuvenate India's sacred **River Ganga** as one of the top **10 World Restoration Flagships** to revive the natural world. The award was received by **G Ashok Kumar**, Director General, Namami Gange, at the **15th**

Conference of the Convention on Biodiversity (CBD) in Montreal, Canada.

Namami Gange was selected from over **150 such initiatives** from **70 countries** across the globe. They were selected under the banner of the **United Nations Decade on Ecosystem Restoration**, a global movement coordinated by the **United Nations Environment Programme (UNEP)** and the **United Nations Food and Agriculture Organization (FAO)**.



It is designed to prevent and reverse the degradation of natural spaces across the planet. The recognized initiatives, including Namami Gange, will now be eligible to receive **UN support, funding or technical expertise**.

2022 Global Food Security Index (GFSI) Report

The **2022 Global Food Security Index (GFSI)** report was released by the **British weekly The Economist**. The **11th Global Food Security Index** shows a deterioration in the global food environment for the third year, **threatening food security**.



In this report, **South Africa overtook Tunisia** to become the most food-secure country in Africa.

India is ranked at 68th position along with **Algeria** with the overall score of **58.9**. **China's position** is at **25th** with the score of **74.2**.

India was ranked at **71st** position in the **Global Food Security (GFS) Index 2021** of 113 countries with an **overall score of 57.2 points** on the GFS Index 2021.

India ranked 3rd globally in the publication of scientific papers

Union Minister for Science and Technology, **Jitendra Singh** has revealed that India had jumped from **7th to 3rd** in global scientific publications and scholarly output, according to a report by America's **National Science Foundation**.



India also ranks third globally in the number of PhDs produced annually. In a similar upward trend, the number of patents granted by the India Patents Office to Indian scientists has more than doubled in just the last four years.

India's scholarly output increased from **60,555 papers in 2010 to 1,49,213 papers in 2020**.

China leads the world in the publication of the maximum number of scientific papers followed by The United States of America.

UNESCO heritage sites tentative list: Sun Temple & Vadnagar town Rock cut sculpture added

Three new cultural sites in India, including the iconic **Sun Temple at Modhera**, historic **Vadnagar town in Gujarat**, and **rock-cut relief sculptures of Unakoti in Tripura**, have been added to the tentative list of UNESCO world heritage sites.



Forbes annual list, PV Sindhu among top 25 highest-paid female athletes

Forbes annual list: India's badminton star, PV Sindhu is the only Indian sportsperson to feature in the top 25 of Forbes' annual list of the world's highest-paid female athletes.



Sindhu, the 2016 Tokyo Olympics silver medallist, occupies the 12th spot in the list. Japanese tennis star Naomi Osaka tops the list. For the third straight year, Osaka tops Forbes' annual list of the World's highest-paid female athletes. The list is dominated by tennis players once again.

India's Cuisine Ranked Fifth in the list of best Cuisines of the World

Cuisines of the World: India is ranked fifth on the global list of the best cuisines for 2022, according to Taste Atlas. The ranking is based on audience votes for ingredients,

dishes, and beverages. Italy's food came in first place followed by Greece and Spain. India received 4.54 points and the best rated foods of the country include "garam masala, malai, ghee, butter garlic naan, keema", the rating said. It has a total of 460 items in the list.

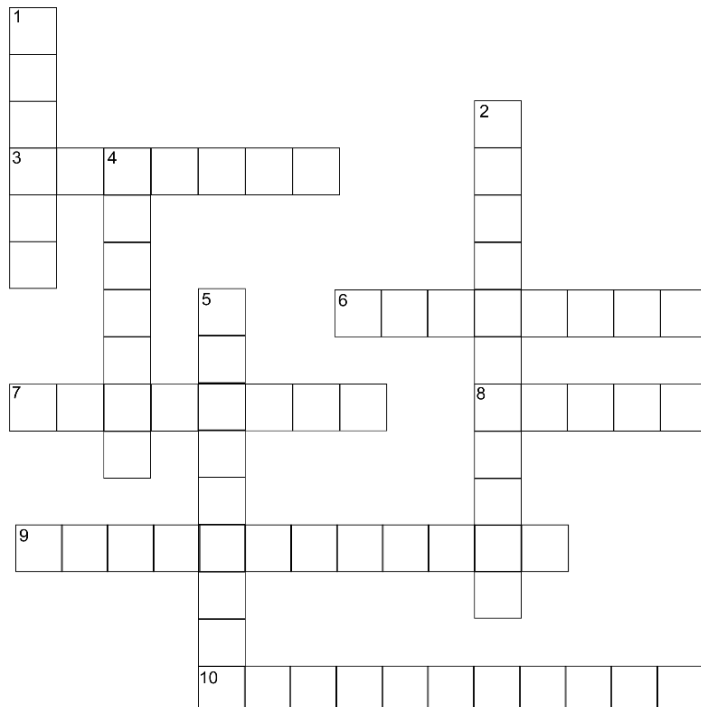
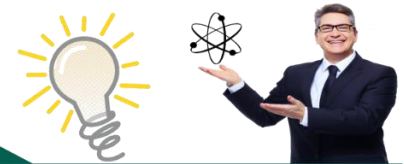


Punjab Ranks 2nd in Average Monthly Income Per Agricultural Household: Govt

Punjab ranks second in the country in average monthly income per agricultural household. The fact came to light in a data provided by Union Minister of Agriculture and Farmers Welfare Narendra Singh Tomar in the ongoing session of Rajya Sabha. As per information, Meghalaya tops across the country with average monthly income per agricultural household (Rs 29,348).



CROSS WORD



Down

1. Section 302 of the Indian Penal Code, 1860 lays down punishment for
2. A Doctrine which is referred to when a contract becomes impossible to perform.
4. When one person voluntarily agrees to the proposal or desire of another
5. The party who brings a civil action against someone.

Across

3. Armed Robbery committed by five or more person conjointly.
6. An Agreement enforceable by law
7. Judicial Remedy in form of an Order from High Court or Supreme Court to lower courts of any other sub-ordinate government bod
8. A statement by somebody which says that the accused was at a different place when crime was committed.
9. Supreme Source of Power in Indian Legal System
10. Rights Guaranteed under Part III of the Indian Constitution



IMPORTANT BOOKS AND AUTHORS



BOOKS	AUTHOR
Nuclearization of Asia	French author Rene Naba
Winning the Inner Battle Bringing the best version of you to cricket	Shane Watson
The World: A Family History	Simon Sebag
India: The Mother of Democracy	Launched by Dharmendra Pradhan
"Modi@20: Dreams Meet Delivery" and "Heartfelt: The Legacy of Faith"	Released by Minister of State for Skill Development and Entrepreneurship Rajiv Chandrashekhar in Dubai
E. K. Janaki Ammal: Life and Scientific Contributions	Nirmala James
'Nalanda – Until we meet again	Gautam Borah
Monetizing Innovation	Gautam Borah
Engineered in India	Autobiography of B.V.R Mohan Reddy
'Fit At Any Age'	Retd. Air Marshal PV Iyer
"The Light We Carry: Overcoming In Uncertain Times"	Michelle Obama
'Miracles of Face Yoga'	Mansi Gulati
'Brave Hearts of Bharat, Vignettes from Indian History'	Vikram Sampath
The Chipko Movement	Shekhar Pathak
"From dependence to Self-reliance: Mapping India's Rise as a Global Superpower"	Bimal Jalan

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SPORTS



FIFA World Cup 2022:

Messi's **Argentina** clinched their **3rd World Cup trophy** from six final appearances in history, seeing off France 4-2 on penalties (3-3 after extra time) to win the biggest prize in men's football at that **Lusail Stadium in Lusail, Qatar**. It had won two in **1978 and 1986 under Diego Maradona**. Lionel Messi had come close to winning in 2014 but La Albiceleste lost the final 0-1 to Germany. The only similarity from Messi's 2014 campaign in Qatar was his Golden Ball award for Player of the Tournament award. He became the first player to win two World Cup Golden Balls.



NOTE: The **22nd edition** of the World Cup just ended and for another 4 years for the next World Cup. Also, the 2026 World Cup will be held across three different countries, **the United States, Canada and Mexico**.



2022 FIFA World Cup Awards:

- Top 4 team Rankings: Argentina (Winner), France (2nd), Croatia (3rd) and Morocco (4th)
- Golden Boot Award: Kylian Mbappe (France); (8 Goals)
- Golden Ball Award: Lionel Messi (Argentina); (7 goals and registering 3 assists)
- Golden Glove Award: Emiliano Martinez (Argentina)
- FIFA Young Player Award: Enzo Fernandez
- FIFA Fair Play Award: England
- Silver Boot Award: Lionel Messi
- Bronze Boot Award: Olivier Giroud (France)
- Silver Ball Award: Kylian Mbappe
- Bronze Ball Award: Luka Modric (Croatia)

FIFA World cup 2022: Stephanie Frappart to be 1st woman referee

FIFA has announced that **Stephanie Frappart of France** will be the first woman to referee a **men's World Cup match**. She will officiate the match to be played between **Germany and Costa Rica** in Group E on 2 December 2022. France's Frappart is one of three women referees among the 36 selected for the tournament in Qatar, alongside Rwandan official **Salima Mukansanga** and **Japan's Yoshimi Yamashita**. Three other female officials have travelled to the World Cup as assistant referees.



Deepika Padukone to unveil FIFA World Cup 2022 trophy

Deepika Padukone will unveil the **FIFA World Cup trophy** in **Qatar** later this month, according to reports. The trophy will be unveiled before the World Cup final on December 18. Deepika will be the first actor to receive such an honour at the world's most-watched sporting event. On December 18, Deepika Padukone is expected to unveil the World Cup trophy at the Lusail Iconic Stadium.



Vijay Hazare Trophy Final: Saurashtra beat Maharashtra by 5 wickets

Saurashtra beat Maharashtra by 5 wickets in the final to win the Vijay Hazare Trophy at the Narendra Modi Stadium in Ahmedabad, Gujarat.

They restricted Maharashtra at 248/9 in 50 overs as captain Ruturaj Gaikwad hit a century, scoring 108 off 131 balls after a slow start. Saurashtra bowler Chirag Jani claimed a hat-trick in the match. Man of the moment is Sheldon Jackson



Indian skipper Rohit Sharma becomes 6th-highest run scorer for India in ODIs

Indian skipper Rohit Sharma has surpassed former batter Mohammed Azharuddin to become the sixth-highest run-getter for his country in ODI cricket. The batter accomplished this record during India's first ODI against Bangladesh at Dhaka.

With this, his ODI statistics stand at 234 matches, and 9,403 runs in 227 innings at an average of 48.46. He has scored 29 tons and 45 fifties in his ODI career, with the best individual score of 264, which is also the highest score ever in ODIs.

Azharuddin, who moved down to 7th spot, had scored 9,378 runs in 334 matches in 308 innings at an average of 36.92, with seven tons and 58 fifties and the best score of 153. Other leading run-scorers in ODI cricket for India are: Sachin Tendulkar (18,426), Virat Kohli (12,353), Saurav Ganguly (11,221), Rahul Dravid (10,768) and MS Dhoni (10,599).



Cristiano Ronaldo signs 200-million euro contract with Saudi club Al-Nassr

Famous Footballer, **Cristiano Ronaldo** has sensationally joined **Saudi Arabian club Al-Nassr** on a two and a half year deal worth **200 million euros per season**. The news

has been reported by renowned Spanish outlet Marca ahead of the **Portugal captain's FIFA World Cup 2022** Round of 16 fixture against Switzerland, scheduled for Wednesday at the Lusail Stadium in Qatar.



- Earlier, Ronaldo's agent Jorge Mendes had spoken to a number of clubs including European giants like Bayern Munich, Chelsea, Atletico Madrid, etc., but no one showed any serious interest in the 37-year-old forward.

Saikhom Mirabai Chanu Wins Silver at Weightlifting World Championship in Colombia

Olympic silver medalist Mirabai Chanu won silver at the 2022 World Weightlifting Championships in Colombia. She beat the Tokyo 2020 champion Hou Zhihua of China. China's Jiang Huihua took home the gold medal with a combined weight of 206 kg.



Mirabai lifted a combined weight of 200 kg compared to Zhihua's total of 198 kg. This was Mirabai's second medal at the World Championships, having previously won gold in 2017 with a lift of 194 kg.

Aditya Mittal Becomes India's 77th Chess Grandmaster

Sixteen-year-old Aditya Mittal has become **India's 77th chess Grandmaster** during an ongoing tournament in Spain.



McLaughlin-Levrone & Mondo Duplantis won World Athlete of the Year 2022 awards

World champion American hurdler **Sydney McLaughlin-Levrone** and Swedish pole vaulter **Mondo Duplantis** won the **World Athlete of the year awards**. McLaughlin-Levrone broke the world women's 400m hurdles record twice while Duplantis set three new world highs this year.



Jos Buttler & Sidra Ameen named as ICC Player of the Month award for November 2022

England's T20 World Cup-winning captain Jos Buttler was named ICC men's Player of the Month for the first time following his stupendous show in November.



Pakistan's Sidra Ameen became the second successive winner of the women's Player of the Month award from

the country, thanks to her brilliant performance in the ODI series win over Ireland.

Cindy Hook named as CEO of 2032 Olympic organising committee

The Brisbane 2032 Olympic and Paralympic Games organising committee has named American executive Cindy Hook as its first CEO. After speaking with 50 candidates over a six-month period, the organising committee made the announcement of the appointment.



Rehan Ahmed Becomes England's youngest Cricketer to Debut in Test Cricket

Rehan Ahmed becomes **England's youngest-ever Test Cricketer** to debut in the final match between Pakistan and England. Rehan Ahmed will be 18 years and 126 days old when the match begins. Till now, Brian Close, who was 18 years and 149 days old, was the youngest player in England during the **New Zealand vs England** match in 1949.



Ben Stokes announced the debut of **Rehan Ahmed** in the Final match of England vs Pakistan.

Rehan Ahmed beats Brian Close for being the **youngest cricketer to debut for England** in Test Cricket.

Rehan Ahmed is 18 years and 126 days old.

World Athletics: Neeraj Chopra becomes the most written-about athlete in 2022

According to the World Athletics, **Tokyo Olympics gold medalist javelin thrower Neeraj Chopra** of India was the most written about track and field athlete in 2022, displacing the Jamaican legend Usain Bolt from the top lists. The data collated by media analysis company **Unicepta** was cited by World Athletics, the global governing body for athletics.



Rafael Nadal and Iga Swiatek crowned ITF World Champions 2022

Spanish Tennis Player, **Rafael Nadal** has been named the Men's International Tennis Federation (ITF) World Champion 2022 for the 5th time after an outstanding 2022 season.

Previously, He has been named the men's ITF World Champion in 2008, 2010, 2017 and 2019.



Polish tennis player, **Iga Świątek**, has been named Women's ITF World Champion 2022 for her performance in 2022 winning 2 Grand Slam titles and 8 titles.

IPL surpasses \$10 billion valuation and becomes decacorn

IPL surpasses \$10 billion valuation:

The Indian Premier League (IPL), whose total valuation has surpassed \$10 billion, has evolved into a decacorn. A D and P Advisory report made public on Tuesday states that the league is currently worth \$10.9 billion. Notably, it has shown a startling 75% rise since 2020.



Blind T20 World Cup 2022: India Beat Bangladesh by 120 runs

The Indian national blind cricket team won the T20 World Cup for the Blind for the third time in a row. They defeated Bangladesh at Bengaluru's M Chinnaswamy Stadium by a commanding score of 120 runs.

The Indian captain, **Ajay Kumar Reddy** elected to bat after winning the toss, and his side eventually set a challenging total of 277 runs for Bangladesh.



The Bangladeshi team could only muster 157 runs for three in return.

FIFA choses Morocco to host Club World Cup in February 2023

Morocco was rewarded by FIFA with hosting rights for the next Club World Cup in February, with an expanded **32-team edition set to launch in 2025**. The most recent edition of the tournament was held in the UAE in February 2022 and was won by the English football club, Chelsea.



Sam Curran Breaks IPL Auction Records and Become Most Expensive Cricketer

Sam Curran breaks all the records and became the **most expensive cricketer ever** to be bought by any franchise of the **Indian Premier League (IPL)**.



Sam Curran is a 24-year-old English Cricketer who was bought by **Punjab Kings** on the first day of the IPL auction for ₹18.5 crores. The IPL auctions for the 2023 season are being held in Kerala.

NADA India to host Inclusion Conclave for the first time to focus on athletes with disabilities

National Anti-Doping Agency (NADA India) is hosts an Inclusion Conclave for the first time to sharpen the focus on anti-doping education and processes for athletes with disabilities. Secretary Department Sports Smt. Sujata Chaturvedi, UN Resident Coordinator Shombi Sharp and WADA Asia-Oceania Regional Office Manager, Kenny Lee will address the conclave.



The Conclave will be followed by a two-hour long inclusive anti-doping education workshop for Athletes with Disabilities with focus on Therapeutic Use Exemption, Doping Control Process, Anti-Doping Rule Violations as well rights and responsibilities of athletes with disabilities and support personnel.

World No. 3 Sukant Kadam Strikes Gold at Peru Para Badminton International

World No 3 Sukant Kadam smashed his way to a gold medal at the recently concluded **Peru Para-Badminton International**, defeating ace shuttler **defeated Singapore's Chee Hiong**



Ang. India won **14 medals in total** (6 gold, 1 silver and 7 bronze).

Eden Hazard announced his retirement from International Football

Belgium captain **Eden Hazard** has announced his retirement from international football after Belgium's early exit from the **FIFA World Cup 2022**. He was the captain of Belgium in the 2022 FIFA World Cup.



Divya TS won gold in women's air pistol National Shooting Championship 2022

Karnataka shooter **Divya T.S** has secured her first women's 10m air pistol national title at the **65th National Shooting Championship Competitions** in Pistol events held in Bhopal. She defeated Sanskriti Bana from Uttar Pradesh by 16-14 in the gold medal match and Rhythm Sangwan from Haryana settled for bronze.



England's Joe Root joins elite list with 10000+ test runs and 50+ wickets

Former England skipper **Joe Root** became only the third cricketer in history to score **10000 runs and pick up 50 wickets in Test cricket**. He achieved the feat



during the ongoing second Test against Pakistan in Multan.

FINA World Swimming Championships 2022: Chahat Arora Sets National Record in 100m Breaststroke

In Swimming, Indian swimmer **Chahat Arora** set a **national record** in the women's 100-metre breaststroke at the **FINA World Swimming Championships 2022** in **Melbourne, Australia**.

Chahat will participate in the **women's 50m breaststroke** event. Siva Sridhar will compete in the 100-metre individual medley.



Rehan Ahmed Becomes England's youngest Cricketer to Debut in Test Cricket



Rehan Ahmed becomes **England's youngest-ever Test Cricketer** to debut in the final match between Pakistan and England. Rehan

Ahmed will be 18 years and 126 days old when the match begins. Till now,

Brian Close, who was 18 years and 149 days old, was the youngest player in England during the **New Zealand vs England** match in 1949.

- Ben Stokes announced the debut of Rehan Ahmed in the Final match of England vs Pakistan.
- Rehan Ahmed beats Brian Close for being the youngest cricketer to debut for England in Test Cricket.
- Rehan Ahmed is 18 years and 126 days old.

France's Karim Benzema announced retirement from international football

France footballer **Karim Benzema** has announced his retirement from International football. Benzema ends his time with France with **37 goals in 97 appearances**, but his time with the squad hasn't exactly been easy since his debut 15 years ago.



Puma India ropes in Anushka Sharma as brand ambassador

The manufacturer and designer of causal and athletic footwear, **Puma** has roped in Bollywood actor and entrepreneur **Anushka Sharma** as its brand ambassador. The association is intended to "accelerate Puma's strong commitment towards women consumer segment".



Goa to Host First Ever World Table Tennis (WTT) Series Event in India

Goa will host India's first ever **World Table Tennis (WTT)** series event from February 27 to March 5.

The top tier WTT Star Contender Goa 2023 will take place at the Shyama Prasad Mukherjee Indoor stadium, located at the Goa University Campus.



Geta Sora wins Malaysia's Junior International Badminton Championship title

Geta Sora, a rising star in badminton, won the under-9 category of the Top Arena Junior International Badminton Championship in Malaysia, bringing honor to Arunachal and the nation as a whole. Jaryl Teh, the second seed from Malaysia, was defeated by Sora in two sets of 21-5 and 21-16 to win the championship. In the last two months, Sora has won two international badminton championships.



FIFA officially announced the 2022 world rankings

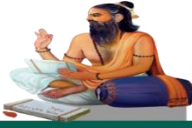
FIFA (Fédération Internationale de Football Association): FIFA has officially announced the 2022 world rankings, and Brazil hold on to their No. 1 spot and 22nd FIFA Men's World Cup 2022 Champions Argentina ranked 2nd. Morocco has improved from 22nd to 11th in the FIFA world ranking, following their achievements at the 2022 FIFA Global Cup.



Nikhat Zareen & Lovlina Borgohain win gold medals at the Elite National Women's Boxing Championships

Telangana Boxing star and the reigning world champion, Nikhat Zareen, and Lovlina Borgohain, the bronze medalist from the Tokyo Olympics, both won gold medals in their separate finals in the Elite Women's National Boxing Championships.





PERSON IN NEWS



Rishi Rajpopat, a 27-year-old student at Cambridge University has solved a grammar puzzle deriving from the texts written by the great Sanskrit scholar and the “father of linguistics” Panini which has perplexed scholars for centuries.

The Indian PhD scholar at the faculty of Asian and Middle Eastern studies at St. John’s College has decoded a rule in Panini’s text Ashtadhyayi.

Panini’s text Ashtadhyayi, which consists of a set of rules for deriving or forming new words from root words, frequently contains conflicting rules for creating new words, leaving many scholars perplexed about which rules to apply.



Many scholars were interested in resolving such a puzzle in this linguistic algorithm of a book. Panini himself wrote a meta-rule to resolve rule conflicts. According to Panini’s meta-rule (as interpreted by scholars over the years), in the occurrence of a conflict between two rules of equal strength, the rule that comes later in the grammar’s serial order is applicable.

Rajpopat reveals that there was a time when he had almost decided to give up however, after six months, he had a eureka moment. “Six months later, I had a eureka moment. I was all set to quit as I was getting nowhere. I closed my books for a month, and enjoyed meditating, praying, swimming, and other activities,” Rajpopat said. “I then begrudgingly went back to work, and as I started turning pages, all the patterns started emerging and everything started making sense. I realised that the key to Panini’s grammar was right before everyone’s eyes but hidden from everyone’s minds for over 2 millennia,” Rajpopat added.

Speaking about ancient wisdom propagated by ancient Indian scholars, Rishi Rajpopat says, “We’ve been made to believe that we are not important. I hope this discovery will infuse confidence, a sense of pride, and hope among Indian students that they too can achieve great things.”

One of the major implications of this discovery by Rajpopat is that now the algorithm of Panini’s grammar is available, and this grammar can now be taught to computers.

“Teaching computers how to combine the speaker’s intention with Panini’s rule-based grammar to produce human speech would be a major milestone in the history of human-machine interaction, as well as in India’s intellectual history,” Rajpopat explains.

Speaking about his student’s extraordinary achievement, Vincenzo Vergiani, the Professor of Sanskrit at the University of Cambridge said, “My student Rishi has found an extraordinarily elegant solution to a problem that perplexed scholars for centuries. This will revolutionize the study of Sanskrit.”

Source - GOOGLE



TOPPERS TALK



Success Mantra: Congratulations on your CLAT 2023 results! How are your feelings about this achievement?

Simran Sidhu: Thank you so much sir. I have no words, really. For the first time in my life, I realized that one can have tears in their eyes in joy.

Success Mantra: Tell us something about yourself. Where did you complete your schooling and about your family?

Simran Sidhu: I completed class 10th in 2021 from The Renaissance School, Mansa, Punjab and will be taking 12th board in coming month. In Class 11, I enrolled myself in Success Mantra Smart Coaching for a two years classroom program. My father is a Govt. Servant and my mother is a homemaker.

Success Mantra: What motivated you to choose law as a career? When did you decide to become a lawyer?

Simran Sidhu: It started with a feeling of humanity, we see people around who are deprived of their basic rights. So I want to help such people in whatever way I can.

Success Mantra: Is this your first attempt? When did you start your preparations for the CLAT exam?

Simran Sidhu: Yes, this is my first attempt. I started my CLAT preparations in Class 11th.

Success Mantra: How much time did you devote to self-study? What do you think is better, coaching or self-study?

Simran Sidhu: I used to study 2-3 hours daily for my CLAT 2023 exam. Coaching indeed helps you better with your CLAT preparations.

Success Mantra: Which subject is your weak one and which is the strongest?

Simran Sidhu: I don't feel that I have any weak subjects, nor did I feel any pressure during the preparations. My favorite subjects are Logical Reasoning and Current Affairs.

Success Mantra: How was the CLAT UG preparation different from the early days to just a month before the exam?

Simran Sidhu: A month before my exam, I exceeded my self-study hours from 2-3 to 5-6.

Success Mantra: What was your exam day strategy? What was the roughest and the easiest section according to you?

Simran Sidhu: My strategy for CLAT 2023 exam day was to first attempt the Legal Aptitude questions first, then the Legal Reasoning subject followed by English, Current Affairs, Logical Reasoning and the last Quantitative Techniques. The easiest section was Logical Reasoning. I scored highest into this section too.

Success Mantra: Which college is your dream college for studying law? What is your aspiration in the field of law and which specialization would you be interested in?

Simran Sidhu: My dream college is NLSIU or NALSAR. I have not decided on the specialization, but out of all I'm interested in Judiciary.

Success Mantra: To whom do you attribute your successful CLAT topper journey?

Simran Sidhu: My parents, as well as, my teachers are the biggest supporters of my journey.

Success Mantra: What would you suggest to future CLAT aspirants in terms of preparation, attitude etc.?

Simran Sidhu: Give your 100% during the preparations and you will get the result.

Success Mantra: Once again I would like to congratulate you on behalf of whole Success Mantra Team and wish you all the very best for your future.

Simran Sidhu: Thank you so much.



SIMRAN SIDHU
AIR- 157, CLAT - 2023
10th- The Renaissance
School, Mansa, Punjab
with 92.4%



CONCEPT TALK



Calendar

'Calendars' is one of the most important topics for government sector entrance exams. The topic "Calendar" falls under the category of Logical Reasoning as it involves a lot of logical discussion and analysis.

What is Calendar?

A Calendar is a chart or series of pages showing the days, weeks and months of a particular year, or giving particular seasonal information.

Basic Structure of a Calendar

Ordinary year: Any year which 365 days is called an ordinary year. Ex: 1879, 2009, 2019, etc.

Leap year: Any year which has 366 days is called a leap year. Ex: 2012, 2016 2020 etc.

The division of the number 365 by 7 gives the quotient 52 and remainder 1 which indicates that an ordinary year has 52 weeks and one extra day. This extra day is referred to as an "odd day" throughout the calendar topics.

A leap year has 366 days, the division of the number 366 by 7 gives the quotient 52 and remainder 2. This indicates that a leap year has 52 weeks and 2 extra days. These two extra days are also referred to as "odd days".

An ordinary year has one odd day, whereas a leap year has two odd days.

Same Date

- 23 June 1921 – Wednesday
- 23 June 1933 – Thursday ↓ +1

Trick,
Difference + Leap Year

$$12 + 3 = \frac{15}{7} = 1$$

- 12 December 1921 → Saturday
- 12 December 1911 → Sunday ↓ -6
- Difference + Leap Year (12, 16, 20)
- $10 + 3 = \frac{13}{7} = 6 (-)$
- 18 July 1822 → Tuesday
- 18 July 1831 → Saturday ↓ + 4
- Difference + Leap Year (24, 28)
- $9 + 2 = \frac{11}{7} = 4$
- 19 October 1921 → Wednesday
- 19 October 1921 → Sunday ↓ + 4
- Difference + Leap Year (12, 16, 20, 24)
- $14 + 4 = \frac{18}{7} = 4$
- 15 June 1921 → Wednesday
- 15 June 1931 → Monday ↓ + 5
- Difference + Leap Year 24, 28
- $10 + 2 = \frac{12}{7} = 5$

- 24 July 2012 → Monday
- 24 July 2024 → Tuesday ↓ + 1
- Difference + Leap Year (16, 20, 24)
- $12 + 3 = \frac{15}{7} = 1$
- 12 March 1920 → Sunday
- 12 March 1925 → Saturday ↓ + 1
- Difference + Leap Year (24)
- $5 + 1 = \frac{6}{7} = 6$
- 12 June 1921 → Wednesday
- 12 June 1928 → Friday ↓ + 2
- Difference + Leap Year (24, 28)
- $7 + 2 = \frac{9}{7} = 2$
- 18 May 1920 → Tuesday
- 18 May 1929 → Saturday ↓ + 4
- Difference + Leap Year (24, 28)
- $9 + 2 = \frac{11}{7} = 4$
- 29 Feb 1708 → Monday
- 29 Feb 1716 → Thursday ↓ + 3
- Difference + Leap Year (12, 16)
- $8 + 2 = \frac{10}{7} = 3$

Repeating Calendar

Trick,

$4n + 1 = 6$ Years

$4n + 2 = 11$ Years

$4n + 3 = 11$ Years

$4n + 0 = 28$ Years

- 1921 = $\frac{21}{4}$
- R = 1
- $(4n+1) \xrightarrow{+6} 6 \quad 1927$
- 2015 = $\frac{15}{4}$
- R = 3
- $(4n+3) \xrightarrow{+11} 2026$
- 2016 = $\frac{16}{4}$
- R = 0
- $(4n+0) \xrightarrow{+28} 2044$
- 1912 = $\frac{12}{4}$
- R = 0
- $(4n+0) \xrightarrow{+28} 1940$
- 1826 = $\frac{26}{4}$
- R = 2
- $(4n+2) \xrightarrow{+11} 1837$

- $2007 = \frac{7}{4}$
 $R = 3$
 $(4n+3) \xrightarrow{+11} 2018$
- $2019 = \frac{19}{4}$
 $R = 3$
 $(4n+3) \xrightarrow{+11} 2030$
- $2025 = \frac{25}{4}$
 $R = 1$

$$(4n+1) \xrightarrow{+6} 2031$$

- $1725 = \frac{25}{4}$
 $R = 1$
 $(4n+1) \xrightarrow{+6} 1731$
- $1729 = \frac{29}{4}$
 $R = 1$
 $(4n+1) \xrightarrow{+6} 1735$



DAYS AND DATES



DATES	EVENTS	DATES	EVENTS
1st December	World Aids Day	11th December	Unicef Foundation Day
2nd December	National Pollution Control Day	11th December	International Mountain Day
2nd December	World Computer Literacy Day	12th December	Universal Health Coverage Day
2nd December	International Day For The Abolition Of Slavery	14th December	National Energy Conservation Day
3rd December	International Day Of Persons With Disabilities	18th December	International Migrants Day
4th December	Indian Navy Day	18th December	Minorities Rights Day In India
5th December	World Soil Day	19th December	Goa's Liberation Day
5th December	International Volunteer Day For Economic And Social Development	20th December	International Human Solidarity Day
6th December	Death Anniversary Of BR Ambedkar	22nd December	National Mathematics Day
7th December	International Civil Aviation Day	23rd December	Farmer's Day
7th December	Armed Forces Flag Day	24th December	National Consumer Rights Day
9th December	International Anti-Corruption Day	25th December	Christmas Day
10th December	Human Rights Day	25th December	Good Governance Day

**MODEL PAPER****PASSAGE 1**

The proposed Uttar Pradesh ordinance seeking to prohibit “unlawful” religious conversions represents a regressive march towards unacceptable medievalism and a reprehensible zeal to police the private lives and beliefs of citizens. Cleared for promulgation by the Governor, it does not use the Islamophobic term that votaries of Hindutva have been bandying about to denote certain inter-faith marriages, but it is clearly targeted at the idea. It eschews the phrase “freedom of religion” that several other anti-conversion laws in other States have employed to title their laws. However, apparently inspired by similar legislation in Himachal Pradesh and Uttarakhand, it has sought to include “alluring into marriage” as an additional ground for declaring an instance of religious conversion as illegal, apart from the use of “force, coercion, undue influence and deceit”. There is also a prior declaration provision on an intended conversion. These suggestions were contained in a report of the Uttar Pradesh State Law Commission submitted last year (2019). While the panel had suggested that conversion solely for marriage should be declared null and void, the State’s note on the ordinance says it provides for invalidation of marriages solemnised solely for conversion.

While upholding the validity of the Freedom of Religion Acts of Madhya Pradesh and Odisha, in *Stanislaus* (1977), the Supreme Court had held that the “right to propagate” a religion did not include the “right to convert”. However, those early laws did not bar conversions by marriage. The Himachal Pradesh, Uttarakhand, and the proposed U.P. law would be vulnerable on that score. After the Court’s “right to privacy” judgment, it would be no more constitutional to use “marriage” as a ground for prohibiting conversion, as it involves the rights of privacy, choice and marital freedom. Further, all such previous laws were seen as “public order” legislation — the claim is that “forced” or “fraudulent” conversions lead to disturbance of order. An inter-faith marriage, by itself, is unlikely to be seen by the courts as an event impinging on public order. Therefore, making marriage simpliciter a ground for rendering conversion illegal may not survive judicial scrutiny. Probably to avoid this lacuna, the U.P. ordinance uses the term “allurement by marriage”, but its potential for misuse is the same. Further, the provision on mandatory prior declaration of an intent to convert is similar to the one struck down by the Himachal Pradesh High Court in 2012 as violating the right to keep

one’s faith a secret. It is disconcerting that several States are keen to join this bandwagon against inter-marriages despite its potential for deepening social discord and communal divides.

1. Which of the following options cannot be inferred from the passage?

- a) The Freedom of religion acts of MP and Odisha are invalid.
- b) Propagation of a religion does not allow for conversion.
- c) Public order can best be maintained by allowing inter-faith marriages.
- d) The phrase “freedom of religion” is popular for anti-conversion laws.

2. Which of the following options best concludes the author’s viewpoint?

- a) Conversion through marriages is a right to privacy.
- b) Alluring into marriages for conversion brings in punishment for the offender.
- c) The laws to prohibit unlawful conversions bring with them social discord.
- d) Prevention of conversions by abolishing inter-faith marriages does not result in public order.

3. Which of the following option/s if true, would weaken the author’s claims?

- a) The proposed legislation on unlawful religious conversion broke a protest in the state.
- b) The enactment of laws on unlawful religious conversions brought peace and social order in the state.
- c) SC’s decision on Right to privacy gave spouses a marital freedom and personal choice.
- d) None of the above

4. What is the assumption behind the author’s claims that the UP ordinance represents a regressive law?

- a) Religious acts of MP and Odisha were abolished by the SC.
- b) The intent to convert has to be declared prior to the marriage thus making the ordinance unlawful.
- c) The outlook towards inter-faith marriages has to be changed for establishing a lasting public order through such laws.
- d) None of the above.

5. The author is against the ordinance to prohibit unlawful religious conversions because of the following option/s?

- a) These laws according to the author delve into the private lives and beliefs of the citizens.
- b) The marriages solely taken place for conversion are void even without these anti-conversion laws.
- c) These laws are in complete violation of Right to Privacy, Choice and Marital freedom.
- d) All of the above.

PASSAGE 2

Motorists in their teens and twenties have a low opinion of elderly drivers, whom they think shouldn't be allowed on the roads. Some old drivers are indeed incompetent, and data from the US has shown that the accident rate for drivers rises substantially after the age of 70.

The research team recruited volunteers in their early seventies who, according to their doctors, had signs of early dementia due to Alzheimer's disease, or to narrowing of the arteries. Other drivers of the same age had diabetes as their only medical condition, and a group of younger drivers was used for comparison. All the drivers – the demented, the diabetics and the young controls – were taken on a drive around a three-mile road network with intersections, speed bumps, traffic signals and parking lots. The drivers also worked their way through a series of standard tests of mental ability, concentration and short-term memory. The results showed that the 70-year-olds with diabetes did just as well on the test drives and mental tests as the younger drivers. The drivers with early dementia did worse. They drove slowly, and the mistakes they made were serious.

The conclusion is that drivers in their 70s in normal health (with normal vision) can perform at a level comparable with young, healthy adults – at least in a suburban, non-stressing environment.

6. If the author's arguments in the passage above are correct, which of the following is most likely to be true?

- a) People in their twenties will perform better at standard tests of mental ability, concentration and short-term memory than people in their sixties.
- b) The drivers in their earlier seventies who have diabetes as the only medical condition would be able to drive at a level comparable with drivers in their earlier seventies with normal health.
- c) Neither of the above.
- d) Both (a) and (b).

7. Which of the following can be conclusively inferred from the passage above?

- a) The drivers in their 70s in normal health (with normal vision) may not be able to drive at a level comparable with young, healthy adults in busy traffic conditions.
- b) The younger drivers are usually better at driving than their older counterparts.
- c) The drivers in their teens and twenties are better at driving than the drivers in their seventies.
- d) None of the above.

8. What role does the claim that the results showed that the 70-year-olds with diabetes did just as well on the test drives and mental tests as the younger drivers play in relation to his conclusion?

- a) It supports the author's conclusion.
- b) It weakens the conclusion through a contradictory example.
- c) It is an exception that proves the rule set out in his main conclusion.
- d) It is completely unrelated to his conclusion.

9. Which of the following, if true, would most weaken the author's arguments in the passage above?

- a) Majority of the drivers in their seventies tend to lose their concentration on the road after they have driven more than five miles.
- b) The drivers in their teens are involved in more devastating accidents than the drivers in their seventies.
- c) The drivers in their late thirties and forties were found to be the safest according to a study.
- d) There were some drivers in their seventies who wore spectacles and performed at a level comparable with young, healthy adults in the test.

10. Based on his statements in the passage above, which of the following is the author most likely to agree with?

- a) The drivers aged over 70 are incompetent, and therefore more likely to have accidents.
- b) There is a high incidence of undiagnosed dementia among younger drivers.
- c) The drivers aged over 70 who do not have dementia are no less competent than young drivers.
- d) Dementia is the leading cause of accidents involving drivers who are aged over 70 years.

PASSAGE 3

In 2003, a WHO team was able to identify the animal source of SARS coronavirus within weeks despite its

arrival in China nearly three months after the initial outbreak. In the case of MERS coronavirus, the intermediate host was identified more than a year after the first human case was reported. However, in the case of the novel coronavirus (SARS-CoV-2), its source is still unknown even 11 months after WHO reported the first case. Knowing the natural reservoirs and intermediate hosts and the events that allowed the virus to jump across the species barrier are important in prevention. Soon after the virus spread around the world, there was heightened demand to identify its origin in China's Wuhan where the first case cluster was reported. Even as the global focus shifted to therapeutics and vaccine trials, it is reassuring that the global health body is still determined to find the virus's origin. But the pace of investigation leaves much to be desired. Efforts began in February but it was only in early August that WHO completed the mission to lay the groundwork for joint efforts to identify the origin; its two-member team did not visit Wuhan, the epicentre of the outbreak. It was only in late October that China began early studies for the two-phase investigation. In the first phase, short-term studies will be undertaken to better understand how the virus might have begun circulating in Wuhan. Longer-term studies will follow based on these results. It is only then that a WHO-led team can operate in China to collaborate with Chinese scientists.

If China failed to alert WHO immediately after a Wuhan cluster was reported, its reluctance to quickly and earnestly investigate the source can partly be explained by U.S. President Donald Trump's attempt to politicise the issue. The reluctance has only increased after mounting international ire over its reporting the outbreak and the huge economic cost of the pandemic globally. There is strong evidence that the virus originated in bats and probably spread to humans through an intermediate species. One way to find this out is to know the susceptibility of different animal species. Already, many animals including cats have been found susceptible to the virus in the lab and outside. With the virus spread so wide, zeroing in on the intermediate host becomes more difficult as the possibility of humans having spread the virus to animals cannot be ruled out. Hence, a multi-pronged approach with an emphasis on investigating China's wildlife farms becomes crucial. This highlights the importance of working alongside China to uncover the virus's origin.

11. Which option can be said to be the best conclusion for the passage?

- a) China's act of reporting the virus late to WHO caused the pandemic.

- b) WHO did not take the outbreak in Wuhan seriously which consequently affected the entire world.
- c) The overall study on hosts, spreading and jumping of the virus is crucial even now to curb further damage.
- d) US President shifted the emphasis of the outbreak from health to politics.

12. If China had reported the outbreak earlier, which of the option/s seems to be the most probable outcome?

- a) The world standing of China could have improved if it cooperated with other nations.
- b) US might have sent its forces in order to take control of the situation and gain world respect for its actions.
- c) WHO would have researched on the origin and spreading of the virus earlier thus curbing its spread.
- d) China might have taken control of the same just as it took care of the MERS.

13. Which of the following option/s best conveys the tasks and responsibilities of WHO?

- a) To curb the spreading of diseases.
- b) To research on world health subjects in order to increase the chances of survival for mankind.
- c) To visit and prepare groundwork in order to control the world health situation.
- d) All of the above

14. How has WHO failed in controlling the SARS-CoV-2 situation?

- a) WHO supported China to get more funding for itself in future.
- b) WHO acted slowly and undermined the gravity of the situation that prevailed in Wuhan.
- c) WHO officials were not well equipped.
- d) WHO lacked US support.

15. Why did the author talk about the source of the virus?

- a) Source of the virus would make the researchers able to get to the cure.
- b) The source would make people aware of the unidentified shortcomings of the virus.
- c) Source of the virus will make the researchers aware to curb down the spread to other species.
- d) None of the above.

PASSAGE 4

Organic yields are significantly lower than intensive yields. To grow the same amount of food, organic farming therefore requires land that could otherwise be used for nature reserves, forests or wetlands – or golf courses and low-cost housing if we so choose.

To irrigate the additional land more water is required, reducing rivers and aquifers. Moreover, since organic farms still use tractors, water pumps, harvesters and other fossil-fuel powered implements, and these have to travel over a greater area to produce a given quantity of food, they produce higher CO₂ emissions.

As for farmers' markets, consider what would happen if the eight million people in London were forced to drive out to rural areas to source their food – not only would there be chaos, but also the resultant emissions from cars would dwarf the emissions of the relatively few large lorries that currently bring food to supermarkets in town and the short car journeys we make to the supermarket.

Since energy and land are both costs, the market will ensure structures that make the most efficient use of both. Organic farming does the reverse, to the detriment of all. Those who believe organic food is good for the countryside and the environment should think a little harder.

16. Which of the following can we infer from the passage above?

- Organic farmers usually sell their food very close to where it is grown.
- Organic farmers do not care about the increase in carbon emissions by automobiles.
- Neither (a) nor (b).
- Both (a) and (b).

17. Which of the following, if true, weakens the author's argument that organic farming is not more efficient in use of land and energy than traditional farming?

- The land and energy costs of production and distribution of pesticides and chemical fertilisers used in traditional farming more than compensates for additional costs of land and energy required in organic farming.
- The organic farmers save the costs incurred by conventional farmers in bulk stocking and distribution of their produce.
- Some farmers who do conventional farming do not use pesticides.

- The organic farmers are working towards bringing down their production costs by following some of the farming techniques used by the traditional farmers.

18. Which of the following forms the premise for the author's argument that organic farming may lead to chaos?

- The emissions from cars travelling from homes in cities to supermarkets would be less than the emissions from cars going to farmer markets to buy food.
- The organic foods presently do not find their way into the supermarkets located in the cities.
- Organic farming uses more resources such as land and energy than other methods of farming.
- None of the above.

19. Which of the following most accurately expresses the main point of the passage?

- Organic farming is harmful for the environment and inefficiently uses land and energy.
- Organic yields are significantly lower than intensive yields.
- Organic farming will lead to higher CO₂ emissions than traditional farming.
- People are not well-informed about the effects of organic farming on the environment.

20. Which of the following, if true, most strengthens the author's argument that emissions from cars traveling from cities to rural areas will dwarf the combined emissions from the lorries and car journeys to supermarkets?

- In Europe, the lorries have almost the same per litre mileage as the cars.
- The private cars follow stricter emission norms than the lorries.
- The supermarkets are few and far in most towns adjoining the rural areas.
- Organic farmers are not likely to sell their food in larger centres very far from their farms, in near future.

ANSWERS

1. A	11. C
2. C	12. C
3. B	13. D
4. C	14. B
5. D	15. D
6. B	16. A
7. D	17. A
8. A	18. B
9. A	19. A
10. C	20. D





EXTRA DOSE



IMPORTANT HISTORICAL EVENTS

DATE	EVENTS	DATE	EVENTS
1757	Battle of Plassey ensured the establishment of British political rule in India.	1906	Foundation of Muslim League laid down by Salim-ullah at Dhaka
1761	Third Battle of Panipat	1911	Delhi Darbar, King and Queen visited India and Delhi becomes the capital of India
1764	Battle of Buxar	1914	World War I begun
1765	Clive was appointed Company's Governor in India	1916	Lucknow Pact signed between Congress and Muslim League
1767 - 69	First Anglo-Mysore War	1918	World War I ended
1780 - 84	Second Anglo-Mysore War	1919	Montague-Chelmsford Reforms introduced, Jallianwala Bagh massacre at Amritsar
1784	Pitt's India Act	1920	Khilafat Movement launched
1790 - 92	Third Anglo-Mysore War	1927	Boycott of Simon Commission
1793	The Permanent Settlement of Bengal	1928	Death of Lala Lajpat Rai
1799	Fourth Anglo-Mysore War and Death of Tipu Sultan	1929	Resolution of 'Poorna Swaraj' (complete independence) was passed at Lahore Session of Indian National Congress.
1802	Treaty of Bassein	1930	Dandi March by Mahatma Gandhi (April 6, 1930), Civil disobedience movement launched
1809	Treaty of Amritsar	1931	Gandhi-Irwin Pact
1829	Practice of Sati prohibited	1935	Government of India Act passed
1839 - 42	First Anglo-Afghan War	1937	Provincial Autonomy, 'Congress forms ministries
1845 - 46	First Anglo-Sikh War	1939	World War II begins (September 3)
1852	Second Anglo-Burmese War	1942	Cripps Mission arrived in India, Quit India movement launched on August 8
1853	First Railway line opened between Bombay and Thane and a Telegraph line in Calcutta	1943 - 44	Bengal famine
1857	First War of Independence taken place in India	1945	Trial of Indian National Army at Red Fort; Shimla Conference; World War II ended
1869	Birth of Mahatma Gandhi	1946	British Cabinet Mission visited India, Interim government formed at the Centre
1885	Foundation of Indian National Congress	1947	Division of India; India & Pakistan became separate independent dominions
1889	Birth of Jawaharlal Nehru	1942	Cripps Mission arrived in India, Quit India movement launched on August 8
1897	Birth of Subhash Chandra Bose	1943 - 44	Bengal famine
1905	Partition of Bengal by Lord Curzon		



MISCELLANEOUS



Losar Festival Celebrated to Mark Ladakhi New Year in Ladakh

Ladakh celebrated Losar Festival to mark the Ladakhi New Year. Losar Festival is celebrated in Ladakh on 24th December 2022. The Losar Festival or the Ladakhi New year is a major socio-religious festival of Ladakh celebrated during winter. The Losar Festival will continue for nine days from the New Year. People will celebrate by offering prayers in the name of God and goddess.



FSSAI gives five-star rating to UP's Bulandshahr prison for food quality

The Bulandshahr prison of Uttar Pradesh was awarded a five-star rating and the tag 'Eat Right Campus' by the Food Safety and Standard Authority of India (FSSAI)



"World's 1st Hydrogen-Run" Aircraft Engine Tested by EasyJet, Rolls-Royce

Airline EasyJet and Aircraft Engine maker Rolls-Royce announced that they have successfully tested a hydrogen-powered aircraft engine, which is described as the **World's First**



for aviation. The company tested a turboprop fan engine that is used a small regional flights aircraft. Green hydrogen for the tests had been generated using tidal and wind energy from **Orkney Islands, Scotland.** Rolls-Royce is eventually hoping to conduct a full-scale ground test of a Pearl 15 jet engine.

DigiYatra facilities starts at the Delhi, Varanasi and Bangalore airport

The Central government on December 1 launched its facial recognition system **DigiYatra** at **Delhi, Bangalore and Varanasi airports**, which will allow domestic passengers to seamlessly travel without an identification card. The Civil Aviation Minister Jyotiraditya Scindia launched the service at **Delhi's Indira Gandhi International Airport.**



At the airport, passengers will have to scan their bar coded boarding pass, which they can download on their phone and the facial recognition system installed at the e-gate will validate their identity and travel documents. Passengers can then enter the airport through the e-gate.

Nagpur Metro successfully created a Guinness World Record

Nagpur Metro has successfully created a Guinness World Record by constructing the **longest double-decker viaduct (metro)** is **3,140 meters** and was achieved by the **Wardha Road in Nagpur.**



The double-decker viaduct of 3.14 km on Wardha Road has three metro stations – **Chhatrapati Nagar, Jai Prakash Nagar and Ujjwal Nagar.** These stations require special planning which are station specific to meet the functional requirements of the metro duly incorporating site specific constraints and double-decker viaduct requirements. The engineering thought process, concept, design and execution of these stations are no less than a challenge.

AAP's Bobby elected first transgender member of MCD

The national capital has got its first transgender councillor after **Aam Aadmi Party's (AAP), Bobby Kinnar** has won the civic polls from **Sultanpuri-A** ward.



Gamosa, Tandur Redgram, and Ladakh apricots get GI tags from Assam

The **Assam Gamosa, the Telangana Tandur Redgram, and a Ladakh apricot** variety are just a few of the items that have received the **Geographical Indications (GI)** label from the government. The overall number of GI has reached 432.



Karnataka, Tamil Nadu, Uttar Pradesh, Karnataka, and Kerala are the **top five states** with the greatest number of GIs.

Indian Railways opens nation's longest 'escape tunnel' in Kashmir

India's longest escape tunnel, which is 12.89 km long constructed on the 111 km under-construction **Banihal-Katra railway line in Jammu and Kashmir** was completed by the Indian Railways.



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ANKIT JHA

Faculty – General Knowledge | Service Aptitude

I'm a hospitality professional and a qualified manager. I've diversified experience of more than six years in different industries. I graduated from the prestigious IHM Pusa Delhi.

I mentor the aspirants of Success Mantra as a faculty for General Awareness & Service Aptitude.

I'm dedicated towards providing the best content in terms of quality & relevancy and always eager to assist the students.



PRASHANT BHARDWAJ

Faculty – Legal Aptitude

I am Advocate Prashant Bhardwaj and I am a Graduate from a National Law University. I am a B.B.A LL.B (Hons.), with criminal law as my specialization. I have completed a one year post Graduate diploma in Criminal Law and Forensic science with A++ Remark from NALSAR

Hyderabad and a winter course on International Law from Indian Society of International Law New Delhi. I have also volunteered at Aarohan NGO where I assisted in teaching and conducting Awareness programs. I have also been an Awarded for the Rotary youth Leadership Award.



MANU MISHRA

Faculty – Logical Reasoning

I am B.Tech Graduate. I have more than 10 years' experience in teaching logical reasoning to the various competitive exams like CLAT, AILET, DU, HM, BBA, Banking, SSC, UPSC, and DSSSB.



DEEPAK SINGH

Faculty – English & Usage

A senior professional in the domain of training and competitive education with more than 12 years of work experience in leading education companies. Education from the premier institutes of India.



MOHD ARSHAD ANSARI

Faculty – Mathematics

Mohd Arshad Ansari (Born on 16 Oct 1992), Popularly known as Real Life "JEETU BHAIYA" is a Wizard of Mathematics having 12 years of vast experience over QA, LR & DL. He trained over 10000+ students for CLAT, CUET, CAT, SSC & various competitive exams since a decade. Apart from teaching & guidance he loves to travel, read and write poetry and enjoys coffee.



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