

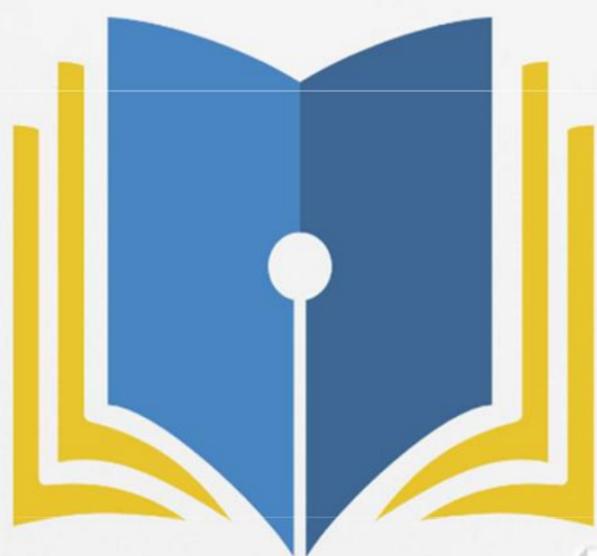


Chikitsak Samuha's  
Sir Sitaram & Lady Shantabai Patkar College of Arts & Science  
AND V.P.Varde College of Commerce & Economics  
S. V. ROAD, GOREGAON (WEST), MUMBAI-400 104  
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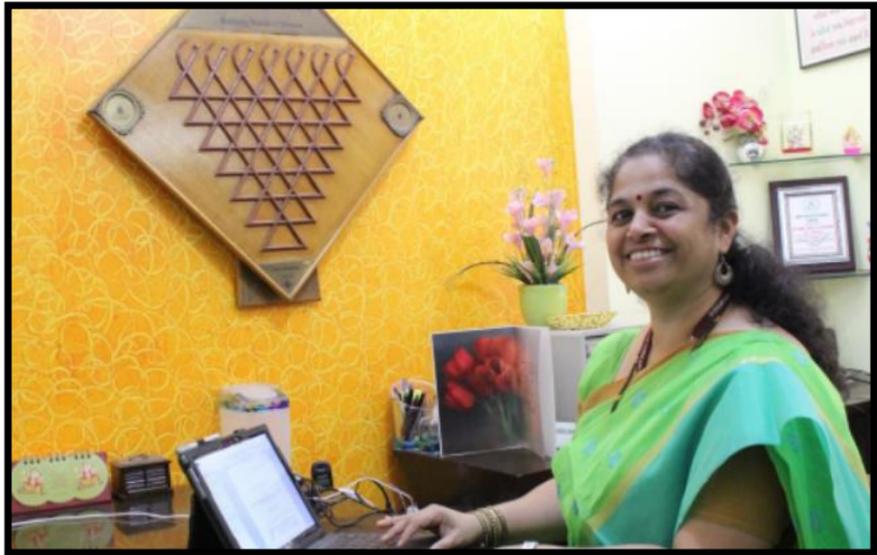
# WEEKEND CHRONICLE

WINDOW TO YOUR  
KNOWLEDGE



AN INITIATIVE BY  
B.M.S DEPARTMENT

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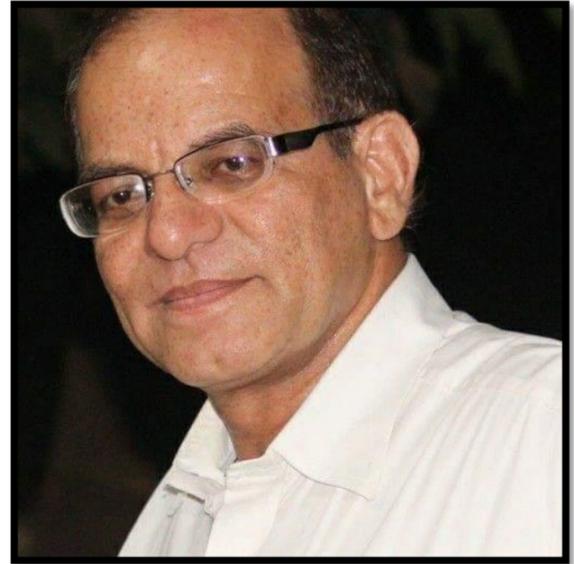
## A MESSAGE FROM CHIEF EDUCATION OFFICER'S DESK

**Dear Readers,**

**“Develop a passion for learning. If you do, you will never cease to grow.” We live today in a world that is so very different from the one we grew up in, the one we were educated in. The world today is moving at such an enhanced rate and we as educationalists need to cause and reflect on the entire system of education. On-line learning provides new age technology to widen the educational scope. It prepares students to succeed in an increasing technology driven global economy. Technology makes life much easier, most of all it saves time and energy. It is one of the fastest growing field right now and there is no sign of stopping anytime soon.**

**It is indeed a great moment for all of us to bring forth this weekly E-Periodical “Weekend Chronicle”. We are sure this E-Periodical will help to acquire knowledge and skills, build build character and enhance employability of our young talented students to become globally competent. There is something for everyone here, right from the fields of Business, Academics, Travel and Tourism, Science and technology, Media and lot more. The variety and creativity of the articles in E-Periodical will surely add on to the knowledge of the readers. I am sure that the positive attitude, hard work, continued efforts and innovative ideas exhibited by our students will surely stir the mind of the readers and take them to the fantastic world of joy and pleasure.**

**Dr. Mala Kharkar  
Chief Education Officer  
(Patkar-Varde College)**



## **A MESSAGE FROM THE PRINCIPAL'S DESK**

**Dear Readers,**

**As we know, "An Investment in knowledge pays the best interest."**

**Hence in this regard the E-Periodical Weekend Chronicle is playing a vital role in providing a platform to enhance the creative minds of our students of BMS Department.**

**The E-Periodical i.e. online magazine drives us through varied genres containing- News related to Global affairs under departments like Business, Advertisement, IT and Science & Nature to intellectual news articles under Academics, Media and Library Departments. It also covers articles related to Food & Health care, Culture & Cuisine and Travel & Tourism which usually tops our "bucket lists" including article which address societal problems under Department of Social Issues. Lastly covering words and vision of our talented students as budding poets, writers and thinkers under Student's section Department.**

**Over all this vision of constructing E-Periodical by students will engage today's youth and the crafters of the youth (teachers) in their communities which is the necessity to over come hurdles of present reality. We will strive to make a better world through our acts and thoughts. Rather it is a challenge to be met!!!**

**Dr. Shrikant B Sawant  
Principal  
(Patkar-Varde College)**

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**BUSINESS****INDIA'S BIGGEST ACCOUNTING FRAUD**

On January 7, 2009, B Ramalinga Raju — the then chairman and also the founder of Satyam Computer Services — wrote a letter to the company's board, wherein he admitted of fudging the accounts of the firm to the tune of over Rs 7,800 crore. The letter, which was also marked to the Sebi chairman and stock exchanges, stated that apart from inflating the profits, Raju had understated the liability, accrued non-existent interest, overstated debtors and inflated cash and bank balances. According to his admission, "The Company had to carry additional resources and assets to justify a higher level of operations thereby significantly increasing the costs. Every attempt made to eliminate the gap failed ... It was like riding a tiger, not knowing how to get off without being eaten." Apart from Maralinga Raja and his brothers B Rama Raja and Suryanarayana Raju, the scam involved seven other players – former CFO Vadlamani Srinivas, former PW auditors S Gopalakrishnan and T Srinivas, former employees G Ramakrishna, D Venkatpathi Raju and Ch Srisailam and former internal chief auditor VS Prabhakar Gupta. Earlier, Raju, lured by the boom in real estate had encouraged his sons to get into the sector and launched two firms — Maytas Infrastructure and Maytas Properties. His admission on January 7 was a result of an aborted Maytas acquisition deal by Satyam through which he was trying to fill in the fictitious assets with real ones.

**What actions were taken by the regulators?**

Two days later, following the confession and the subsequent resignation of Raju from the company, the Andhra Pradesh Police arrested him and his brother B Rama Raju on charges of forgery and cheating while the ministry of corporate affairs announced the super-cession of the Satyam board. On January 10, the Company Law Board (CLB) barred the Satyam board from functioning and appointed government nominee directors on the board. During the probe, the Serious Fraud Investigation Office (SFIO) found the auditors and PW guilty while also pointing out that the independent directors were mute spectators while the fudging played out. The Institute of Chartered Accountants of India (ICAI) also found the auditors and CFO involved guilty of professional misconduct. After completing the disciplinary proceedings the accounting regulator barred the auditors involved in the scam. The case was later handed over to the CBI.

**How was the firm salvaged?**

Amid the ongoing probe, on February 2, Mahindra & Mahindra-owned Tech Mahindra expressed interest in acquiring Satyam. The government appointed AS Murthy as the new CEO and under him, the new board started the process of selling the firm. Sebi then gave its nod to sell 51 per cent stake in the company and the bids were invited. In April, through a public auction process, Tech Mahindra through its subsidiary Venture Pay acquired Satyam and the entity named Mahindra Satyam was born.

**-Reetu Patel**

((NEWSCASTER))

Ref: [www.Indianexpress.com](http://www.Indianexpress.com)**Vodafone Idea to merge  
Aditya Birla Telecom.**

The board of Vodafone Idea Ltd. (VIL) has approved the merger of its unit Aditya Birla Telecom Ltd. (ABTL) with itself, moving a step closer towards monetizing the company's 11.15% stake in Indus Towers to pare debt.

In a statement to the stock exchanges on Monday, Vodafone Idea said, "the move would strengthen the financial position and ability" of VIL by "raising resources against the assets" owned by VIL such as mutual funds, Indus Towers Ltd. etc, including monetization of such assets".

Idea Cellular's stock ended 2.7% higher at Rs 47.65 on the BSE on Monday, outperforming a weak broader market. The announcement came after market hours.

British telecom giant Vodafone's India subsidiary and the Aditya Birla Group company Idea Cellular last month merged to form the country's largest telecom operator, Vodafone Idea Ltd. The merger between the giants was catalyzed by the onslaught of tariff war launched by Reliance Jio Info COMM which has already garnered over 20% revenue market share in just two years of launching its services.

As per an agreement between Indus shareholders, VIL can raise Rs 5,100 crore in cash from the sale of Idea Cellular's 11.15% stake in the telecom tower company, which is a three-way venture between Idea, Vodafone and Bharti Airtel. Idea owns its stake in Indus through ABTL.

Separately, Indus is itself merging with Bharti Infratel, a unit of Bharti Airtel.

The filing said ABTL recorded a revenue of Rs 3.7 crore for the financial year 2017-18 while VIL (formerly Idea Cellular) registered around Rs27,829 crore for the same period.

**-Preeti parab**  
(NEWSCASTER)

Ref:

<https://m.economictimes.com/industry/telecom/telecom-news/vodafone-idea-to-merge-aditya-birla-telecom/articleshow/65847075.cms>

# ADVERTSTIMENT

## Amazon launches seller driven ‘Itna Aasan Hai’ campaign

The campaign communicates the ease of selling items on the platform to prospective sellers...



Amazon India has launched its seller driven campaign ‘Itna Aasan hai’. With this, it underlined the enrolling process, which is according to the company, is lot simpler and hassle free and Amazon has made it easier for anyone who wants to move their business online.

The three-ad campaign is conceptualized keeping the intent of the campaign in mind: to communicate to existing and prospective sellers who are not on the platform, how easy and simple it is to sell on Amazon.

Conceptualized by Ogilvy, the ‘Itna Aasan Hai’ campaign is directed by Sharat Kataria for Lucifer Circus. The campaign includes TVCs and short content for customers across India.

Satish Upadhyay, head - marketing, Amazon India Marketplace, said, “The 600,000 sellers on Amazon.in are benefiting from online selling while bringing hundreds of millions of unique products for our customers. With this campaign

With this campaign, we intend to communicate to millions of MSMEs about how Amazon makes it easy for small businesses to go digital and start or expand their business by reaching millions of Amazon customers through e-commerce.”



**Shruti Bhaskar Amin**  
(NEWSCASTER)

Ref: <https://brandequity.economictimes.indiatimes.com/news/advertising/amazon-launches-seller-driven-itna-aasan-hai-campaign/77481590>

## Chinese brands hold back spending on ads



Chinese brands across categories are holding back on advertising spending in India, especially on traditional media platforms such as television and print, media buyers said.

The advertising go-slow comes after smartphone brand Vivo’s exit from Indian Premier League (IPL) 2020 as the tournament’s title sponsor owing to growing anti-China sentiment.

According to media buyers, smartphone firms Vivo, Oppo, Realme and Xiaomi have cut down the number of ad spot purchases on television and print. These firms together spent around ₹1,500 crore advertising in 2019. Dinesh Rathod, chief executive at media agency Madison Media Omega, said Chinese brands were active spenders even during incursions in Ladakh in May and June but they put a stop to advertising as anti-China feelings grew.

“Vivo pulled out of the title sponsorship of IPL and probably on-air sponsorship, too. The trend may continue and we will see fewer Chinese brands on big properties like *Kaun Banega Crorepati* compared to previous years,” he added.

Smartphones are the hottest category with investments of ₹2,500-2,700 crore annually. It has the largest share

**Nontobeko Shezi**  
(NEWSCASTER)

Ref: <https://www.livemint.com/industry/advertising/chinese-brands-hold-back-spending-on-ads->

## 8 Advertising Trends for 2020/2021: Latest Forecasts You Should Know



With almost 8 billion people on the planet, one might think that just putting any advertisement out there is good enough. That couldn’t be further from the truth. Advertising trends shift each year and there’s a lot of factors involved. Change in preference and emergence of new technologies are just a few of them.

Business owners, marketers, ad specialists, and even consumers can pick up a thing or two about them as well. This article discusses the latest trends that were prevalent in the most recent years until today.

Advertising Trends Table of Contents	
1	Video Advertising
2	Personalized Advertising
3	Mobile-First Advertising
4	Display Advertising
5	Print Advertising
6	Social Advertising
7	Programmatic Advertising
8	Increase in Ad Spending

However, the main objectives of advertising have remained. That is to inform, to convince, and to remind the customers about a certain brand and its benefits. The only thing that changed is how these objectives are achieved.



It has taken thousands of years for the advertisement to progress from the papyrus to the newspaper. However, time has changed. It won’t even take half as long for advertising trends to shift from one form to another. This also means that keeping up with them or adapting to them has become more challenging than ever. This article can be used as a resource about the latest changes in advertising trends

**Abhishek Kanajiya**  
(NEWSCASTER)

Ref: <https://financesonline.com/advertisingtrends/>

## INFORMATION & TECHNOLOGY

### A new Instagram update merges DMs with Messenger chats



More than a year ago, Facebook announced its plans to merge Instagram, WhatsApp and Messenger chats into one app and early signs of this effort and with the most recent update, Instagram's DMs are getting a major overhaul. Reportedly iOS and Android Instagram users in the US are receiving an update telling them that they can message their friends on Facebook through the Instagram app even if they don't have an Instagram account. The update also makes DMs a lot more colorful, in line with the current Messenger chat aesthetics. Also, the icon in the upper-right corner of the Instagram app is replaced with the Messenger logo. Facebook has started flipping the switch on integrating the chat systems for Instagram and Messenger.

On Friday evening, several editors at The Verge across the country — on both IOS and Android devices — noticed an update screen popped up in Instagram's mobile app with the message "There's a New Way to Message on Instagram" with a list of features including a "new colorful look for your chats," more emoji reactions, swipe-to-reply, and the big one: "chat with friends who use Facebook." Once you hit update, the regular DM icon in the top right of Instagram is replaced by the Facebook Messenger logo. Chats on Instagram are indeed more colorful than before, with the sender's messages shifting between blue and purple as you scroll. However, at least for right now, it's still not possible to message Facebook users from Instagram.

A Facebook spokesperson confirmed it was testing the experience. "A small set of people were able to update to a new test experience for Instagram messaging," the spokesperson said in an email to The Verge. "We hope they enjoy the experience and we are looking forward to testing it in other countries so we can keep learning from this."

*Ajay Lovekar*

(NEWSCASTER)

Ref: [https://www.gsmarena.com/a\\_new\\_instagram\\_update\\_merges\\_dms\\_with\\_messenger\\_chats-news-44764.php](https://www.gsmarena.com/a_new_instagram_update_merges_dms_with_messenger_chats-news-44764.php)

### ERICSSON ANNOUNCES 100 5G Commercial CONTRACTS WORLDWIDE



According to Ericsson's official website, the company currently has 100 5G commercial contracts. As of now, Ericsson has a publicizable 5G commercial contract with 58 operator customers. In addition, it provides equipment for 56 already operational 5G commercial networks in 23 countries. Its 5G live network also cut across five continents. Ericsson has achieved this milestone by announcing a 5G cooperation agreement with Telekom Slovenije on August 12th. From the early stage of 5G R&D, Ericsson has also been cooperating with major service provider partners. The company released its first public 5G cooperation agreement in 2014. Initially, it was technology participation and Memorandum of Understanding (MoU) partnership, followed by 5G NR technology testing and experiments. After this, there were also online announcements and commercial transactions. Its first commercial launch of a live 5G network dates back to 2018.

Furthermore, Ericsson's contracts cover radio access network (RAN) and core network deployment. These contracts are supported by products and solutions from the Ericsson Radio System and Ericsson Cloud Core network product portfolios. Ericsson has deployed 5G networks in high, medium, and low-frequency bands in different urban, suburban, and rural environments to support enhanced mobile broadband and fixed wireless access business cases. Ericsson has also worked with service partners, universities, technical institutes, and industrial partners to develop and create 5G commercial and consumer use cases. These use cases include factory automation, smart offices, remote surgery, and other enterprise and Industry 4.0 applications.

Ericsson President and CEO, Börje Ekholm said: "Customer needs have been at the core of the development and evolution of Ericsson's 5G technology from the beginning. We are committed to this commitment to promote 100 communication service providers worldwide to choose our technology to achieve their 5G success... We will continue to be customer-centric and help them deliver the benefits of 5G as a key national infrastructure to their customers, industries, society, and the country."

*Ajay Lovekar*

(NEWSCASTER)

Ref: <https://www.gizchina.com/2020/08/12/ericsson-announces-100-5g-commercial-contracts-worldwide/>

## SCIENCE &amp; SPACE

## LIGHTNING HAS A SMELL.



The irrational fear of lightning is known as keraunophobia. You've seen it, you've heard it, but have you ever smelled it? As bizarre as it sounds, lightning has a distinct odor. But unlike its blinding flash or deafening roar, the scent of a lightning bolt is much more subtle. Whenever lightning strikes, it heats the air to 30,000 degrees Celsius (50,000 degrees Fahrenheit)! The rapid expansion of the air produces a sonic boom that you hear as thunder. However, at the molecular scale, chemical changes can alter the atmosphere on a highly local level and leave behind an aroma. The air is 78 percent nitrogen and barely 20 percent oxygen. There are two main chemicals that have strong odors produced in the air when an electrical discharge takes place in it. The two chemicals have very similar odors because they are potent oxidizers that your sense of smell gets overwhelmed by in high concentrations. When the lightning heats the air, it splits the bonds between them - and that's when random Ns or Os can start hopping around. Most of the atoms pair back up once the air cools. But some reshuffle. Some of the O atoms combine with O<sub>2</sub>, producing O<sub>3</sub>: ozone. It's unusual to get large concentrations of ozone at the surface, and it has a distinct scent. It is noticeable right after a lightning strike.

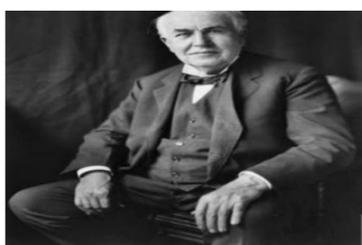
## AMAZING FACTS:-

- The energy contained from a single lightning strike can power a 100 watt light bulb for 90 days.
- There are two types of lightning, negative strikes and positive strikes. Positive strikes are 5 times more powerful than negative strikes.
- There is a place in Venezuela where lightning strikes 280 times per hours , 160 nights per year

-Parab Disha Rajendra

(NEWSCASTER)

Ref :-(<https://www.sciencealert.com/here-s-why-you-can-actually-smell-lightning> )

GENIUS IS 1 PERCENT INSPIRATION AND 99 PERCENT  
PERSPIRATION

So the quotes given you the idea about that person it is Thomas Alva Edison. Thomas Alva Edison was an American inventor and businessman who has been described as American's greatest inventor. In his 84 years, Thomas Edison acquired a record number of 1093 patents and he also created the world's first industrial research laboratory and was the driving force behind such innovation as the incandescent light bulb. Back in the days before light bulb was invented use of candles were quite common in households in fact they are used even today when we experience a black out but candles can be very messy. Though candles are beautiful to look at they can be very dangerous. And that is why we need to thank Thomas Edison for inventing the first ever Light bulb that has since enlighten the world. Thomas Edison was a very bright student he found it to be a painfully dull routine to go to school however, he had a very curious mind and was always inquisitive to conduct science experiment under the tutelage of his mother it was his inquisitive nature that led Edison to illuminate our homes. It is the electricity that flows into the filament and when the filament heats up sufficiently it begins to glow and thus we have light but to make his invention viable Edison faced a major hurdle he had to make the bulb glow bright enough and long enough without it over heating. Edison experimented with different kinds of filaments to find the perfect match for his light bulb he tried copper platinum and at last he tried filaments made from metal after trying out many options something finally clicked and Edison returned to his original choice the carbon filament was the winner amongst all but before he could officially declare his invention Edison has to put his invention to test and see if it was long lasting on 22<sup>nd</sup> October 1879 Edison ran his first successful test on the light bulb the filament burnt strong and bright for good 13 and half hours and that was marked as great grand invention of the light bulb. Thomas Edison contribution he invented electric locomotive, phonograph, electric pen and copying system, kinoscope, improved the telephone and stock ticker.

Rishil P Shetty

(NEWSCASTER)

COVAXINTM - INDIA'S  
FIRST INDIGENOUS COVID-  
19 VACCINE

COVAXINTM, India's indigenous COVID-19 vaccine by Bharat Biotech India(BBL) is developed in collaboration with the Indian Council of Medical Research (ICMR) - National Institute of Virology (NIV). The indigenous, inactivated vaccine is developed and manufactured in Bharat Biotech's BSL-3 (Bio-Safety Level 3) high containment facility. The vaccine had received DCGI approval for Phase I & II Human Clinical Trials and the trials have commenced across India from July, 2020. And now it has entered phase II. Covaxin underwent pre-clinical testing on animals such as guinea pigs and mice to see if it is safe before the firm approached The Central Drugs Standard Control Organization(CDSCO)for approval to move to human trials and was successful in its trails on animals. Thus the CDSCO has allowed BBI to conduct human trials. Volunteers from across the nation will first undergo health checks to ensure proper liver functions and absence of infection before being cleared for small doses for the COVID-19.

Derivation:

Covaxin has been derived from a strain of the novel coronavirus isolated by the National Institute of Virology in Pune. Bharat Biotech developed an "inactivated" vaccine at its high-containment facility at Genome Valley in Hyderabad.

Functioning:

"Once the vaccine is injected into a human, it has no potential to infect or replicate, since it is a killed virus. It just serves to the immune system as a dead virus and mounts an antibody response towards the virus," said the company.

Initial success:

The human clinical trial of BBV152 COVID-19 vaccine or Covaxin has achieved an initial success in a Belagavi-based hospital as the four volunteers who were administered the first dose of Covaxin are fully healthy and fit after five days. According to hospital authorities, the four volunteers are not having any health complications or any side-effects of Covaxin. Thus, more trials are being carried out and maximum positive outcomes are being expected.

Must know:

Another vaccine developed in India, Zydus Cadila (ZyCoV-D) has completed the phase I study and has embarked on phase II studies.

Nesica Dsouza

(NEWSCASTER)

Ref:-(<https://www.livemint.com/>)

## NATURE

## Evening primrose oil



EVENING PRIMROSE OIL

The vibrant yellow evening primrose flower produces an oil that's thought to alleviate the symptoms of PMS and skin conditions like eczema.

Studies that are available on this oil tend to be all over the map, but there are studies that are stronger than others. For example, some studies have found that evening primrose oil has anti-inflammatory properties. It's been known to help with conditions such as atopic dermatitis and diabetic neuropathy Trusted Source. It can also help with other health concerns, such as breast pain.

Studies that are available on the oil tend to be all over the map but there are studies which are stronger than other for example some studies have found that **Evening Primrose Oil** has anti-inflammatory properties. It's been known to help conditions such as **atopic dermatitis and diabetic neuropathy**.

Things to consider:

1. Interacts with some blood clotting medications
2. May interfere with drug absorption during HIV treatment
3. Long term use may not be safe

**INTERESTING FACT**

Evening primrose flowers are also called moonflowers because they bloom as the sun begins to set. People often say they smell like lemons.

Evening primrose oil could be beneficial for:

- PMS
- mild skin conditions
- breast pain
- menopause
- inflammation
- diabetic neuropathy
- multiple sclerosis
- PCOS
- blood pressure

-Mansi Parag Sikchi

(NEWSCASTER)

Ref:-([healthline.com](https://www.healthline.com))

## BIRDOGRAM: Hornbill



The **Hornbills** (Bucerotidae) are a family of bird found in tropical and subtropical Africa, Asia and Melanesia. They are characterized by a long, down-curved bill which is frequently brightly coloured and sometimes has a casque on the upper mandible. Both the common English and the scientific name of the family refer to the shape of the bill, "buceros" being "cow horn" in Greek.

Hornbills show considerable variation in size. The smallest species is the black dwarf hornbill (*Tockus hartlaubi*), at 99.1 gm. and 32 cm (1 ft. 1 in) in length. The largest and most massive species appears to be the southern ground hornbill which has an average weight of 3.77 kg (8.3 lb.), and can weigh up to 6.3 kg (14 lb.) and span about 180 cm (5 ft. 11 in) across the wings.

The Bucerotidae include about 55 living species, though a number of cryptic species may yet be split, as has been suggested for the red-billed hornbill. Their distribution includes Sub-Saharan Africa and the Indian Subcontinent to the Philippines and the Solomon Islands, but no genus is found in both Africa and Asia.

Hornbills are diurnal, generally traveling in pairs or small family groups. Hornbills are omnivorous birds, eating fruit, insects and small animals. They cannot swallow food caught at the tip of the beak as their tongues are too short to manipulate it, so they toss it back to the throat with a jerk of the head.

**Status and Conservation:**

None of the African species of hornbills are seriously threatened, but many Asian hornbills are threatened by hunting and habitat loss, as they tend to require primary forest.

**Myth:** Many cultures consider the birds sacred. In these tribes, killing a **hornbill** is considered as grave a sin as murder, and doing so will bring down a deluge so great that it may wash your lands away in punishment.

-Bhumika Mhatre

(NEWSCASTER)

Ref:-(<https://en.m.wikipedia.org/wiki/Hornbill>)

<https://www.britannica.com/animal/hornbill>

## RESEARCH

### The Three Hearted Creature

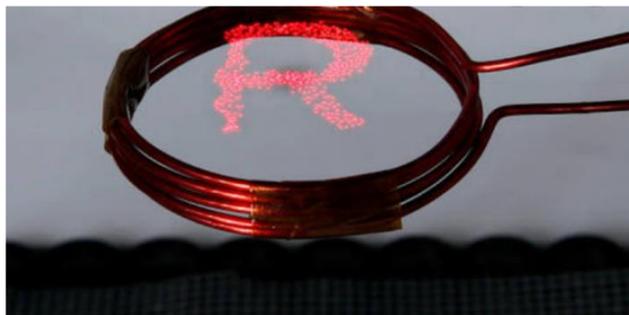
Octopuses, an inspiration for monsters throughout history, Mythology and superstition have portrayed octopuses as alien beings or evil creatures dwelling in the terrifying dark depths of oceans. The octopus is a soft-bodied, eight-limbed mollusc of the order Octopoda. Around 300 species are recognised, and the order is grouped within the class Cephalopoda. Famous for having eight arms and a large bulbous head – the octopus has made an underwater name for itself as one of the most intelligent aquatic creatures to swim in our oceans. The octopus is bilaterally symmetric with two eyes and a beak, with its mouth at the center point of the eight limbs. The soft body can rapidly alter its shape, enabling octopuses to squeeze through small gaps. The gills are used both for respiration and for locomotion, by expelling a jet of water. Octopuses have a complex nervous system and excellent sight, and are among the most intelligent and behaviourally diverse of all invertebrates. We have a single powerful heart pumping blood throughout our entire body. Most other mammals and animals have a single heart that circulates oxygen and nutrients throughout the body. All these single hearts might not look or function the same, but they get the job done. Now meet the cephalopods— living in the sea. They weren't happy with just one heart, so they went and evolved themselves three. Their three hearts together serve to pump blood throughout their flexible and mostly boneless body to supply oxygen. Cephalopods have a closed circulatory system, the only class in the phylum Mollusks that do (this is the same phylum to which snails and clams belong). A closed circulatory system means that their blood flows within vessels, unlike an open circulatory system, where all the blood or hemolymph bathes all the tissues, such as is found in insects, prawns and other mollusks. The three hearts in cephalopod circulation have different functions. There is the main heart, like our one human heart, called the systemic heart that pumps the blood throughout the body. The other two hearts are the branchial hearts or the gill hearts, located near each gill. All these structures are in the mantle, a muscular structure right behind the head of the cephalopod. The actual movement of the blood through the three hearts isn't that unusual. The deoxygenated blood returns to the systemic heart from the rest of the body. The systemic heart reroutes this blood to the branchial hearts. The branchial hearts then send the blood to capillaries in the gills to get oxygenated. This oxygenated blood is sent back to the systemic heart, at which point it makes its way to the rest of the body to replenish its tissues with oxygen. And so, the process repeats itself. The reason cephalopods take the three-heart route, rather than the direct route, might have to do with their blood. A True 'Blue Blood' We might call royalty 'blue-blooded', but the true 'blue bloods' are the cephalopods. Unlike our blood, which is red due to our iron-containing oxygen transporter hemoglobin, the cephalopods use a copper-containing protein called hemocyanin. The hemocyanin, when bound to oxygen, gives their blood a blue color. Hemocyanin, unlike hemoglobin, which is present within red blood cells, is a free-floating protein complex within cephalopod blood, which makes their blood more viscous. Lower oxygen transport efficiency and increased viscosity, cephalopods needed to circulate their blood at higher pressures.

Amazing facts:-

- The octopus has 9 brain. A central brain controls the nervous system. In addition, there is a small brain in each of their eight arms.
- The female octopus can lay up to 400,000 eggs and due to its obsessive and aggressive nature when tending to its eggs
- The Octopus are colourblind creature.

Ref <https://oceanservice.noaa.gov/>

### Japanese Researchers invent floating firefly light



Japanese engineering researchers say they have created a tiny electronic light the size of a firefly which rides waves of ultrasound, and could eventually figure in applications ranging from moving displays to projection mapping. Named Luciola for its resemblance to the firefly, the featherweight levitating particle weighs 16.2 mg, has a diameter of 3.5 mm (0.14 inch), and emits a red glimmer that can just about illuminate text. But its minuscule size belies the power of the 285 micro speakers emitting ultrasonic waves that hold up the light, and have a frequency inaudible to the human ear, allowing Luciola to operate in apparent total silence. It took two years for Luciola to get this far, said circuit design specialist Makoto Takamiya, a member of the Kawahara Universal Information Network Project that developed the device. "Ultimately, my hope is that such tiny objects will have smartphone capabilities and be built to float about helping us in our everyday lives in smarter ways," said the University of Tokyo professor, who hopes it will be commercially viable in five to 10 years. The developers expect Luciola to find applications in the so-called Internet of Things, in which regular objects, such as cars, or domestic appliances such as air-conditioners, are connected to networks to send and receive data. Equipped with movement or temperature sensors, Luciola could fly to such objects to deliver a message or help to make moving displays with multiple lights that can detect the presence of humans, or participate in futuristic projection mapping events. The Kawahara Universal Information Network Project is a government-funded program that is part of the Japan Science and Technology Agency and explores advances in information and communication technology. Further modifications to Luciola could give it even more capabilities, although they will take time. Hopefully, Takamiya is right, and Luciola will float into our lives, improving existing devices while expanding the horizon of what's technologically possible — one ultrasonic wave at a time. Facts : It took two years for Luciola to get this far. The scientists faced two contrasting problems while designing Luciola. They needed the device to have a small size and weight for levitation and, at the same time, they had to reduce the size of the powering circuit which, at the time was quite large.

References : <https://qrius.com/japanese-scientists-unveil-luciola-firefly-lights/>

## ACADEMICS

## INDIA'S ECONOMY



As one of the largest countries in the world India has a thriving economy. But because of the many people that live in the country, its average income is still very low. In the first decades after becoming independent, India's government controlled much of the economy, making it very difficult for foreign companies to invest freely. In the last two decades this has changed. India has chosen a more capitalist way to go.

**Farming**

Over half of India's people get their income from farming. The most important products are corn, rice, sorghum and wheat. Other products include tea, cotton, sugar cane and jute. The Green Revolution in the 1960s made it possible for India to provide enough food for its population. New technology in farming, hybrid crops, the use of fertilizers, irrigation programs and more automation improved the quantity and quality of crops that farmers got from their land. India's farms are small, mainly because they are split up among the children of a family when their father dies. Cows are sacred animals in India and people respect them. As Hindus are not allowed to eat beef the south Asian country has almost a third of the world's cattle. Cows can be seen roaming the streets almost everywhere. In many rural areas they are still used to plough the fields.

**Industry and mining**

India is one of the world's biggest producers of iron ore and coal. As a result, the iron and steel industry is a basis for producing cars and other vehicles, ships and electrical goods. Although the textile industry is a traditional sector of the economy that the British built up, many clothes are still produced at home. Handicraft and hand-made jewellery are sources of income for millions of people. The chemical industry is one of the fastest growing in India. Almost 13% of the country's GDP comes from this part of the economy. It also caused the worst industrial accident in history. In 1984 a poisonous gas escaped from an American chemical plant in Bhopal, killing 20,000 people. A few years later the American company paid almost 500 million dollars to the victims and their families.

**The service sector**

In the last decades India has experienced a boom in the service sector. Today about half of the country's money comes from it. India has a great reputation in the computer sector, producing millions of IT experts, who are welcomed all over the world because of their great skills. Software and computer technology from India have become very popular. Western companies hire these experts because they are cheaper than laborers at home. In addition, India has become the world capital of call centres. This service is very popular in the west, especially among British and American firms. Other expanding areas of the service sector include telecommunications and banking.

**Transportation**

India's state-owned railway system goes back to the British colonial government of the 19th century. The British exploited India's raw materials and built a big network of railway lines to get them to the coast. Today, millions of people travel by train, one of the cheapest ways of travelling, and the only means of transport that poor people can afford.

Although the Indian government has built many new roads in the past, a large number of Indians are still are without cars. Especially in rural India people often walk long distances and use carts for transport. Rickshaws are widespread in many Indian cities.

**Energy**

About 70% of India's energy comes from burning fossil fuels. The country must import oil and gas to meet its energy demands. India also plans to increase the number of nuclear power stations, even though the Fukushima disaster has raised questions of the safety of nuclear energy. As the economy increases at a fast pace it is doubtful whether India's electricity production can keep up

**Problems**

Even though India has made large steps in economic growth, many problems remain unsolved. Growing bureaucracy, unemployment and corruption are only a few. In contrast to the days when many Indians left their country to work in the developed world, more and more are coming back to settle down hoping to achieve a better standard of living in their home country.

*Shaikh Ubedur Rehman*

(NEWSCASTER)

Ref: [www.english-online.at](http://www.english-online.at)

## KATHA

This is a story of a story... a story of Katha! Centered around the idea of 'story', Katha's unique curriculum,

When We Started-The environment when Katha started was not too conducive to education. Almost thirty years ago, the 42nd Sample Survey showed that children dropped out of school not only when they were working to support the family but also when they found school boring and dull, and the lessons irrelevant. The challenges of integrating relevance and fun and excitement (that most of us who knew what a book holds) into an experiment in Delhi, was beyond doubt. When we look closely at the beginning and the first students Katha worked with, we found they were working children – it seems that story as the basis for children who had gone without schooling till they were 7-14 years old; the children who were going school were struggling to read their school textbooks, children who spoke the language fluently and traded in it, but could not read or write it; children whose parents were non-literate and thus learning happened for them and their grandparents through means other than the written word – through story – and story seemed a good way to start off. India in the past had a tradition of “gurukul”, an Indian Atticus style which we believed in. Speech. Debate. Interaction and right action. Hence our founder Geeta Dharmarajan thought that if they could listen to stories and follow along “Indian Atticus-style” familiar stories, written simply, with a finger on each word, child on lap. The result was visible: a story and personal attention was getting a child reading and learning. And this was the beginning of Story Pedagogy.

Katha believes: Stories can create new ways of seeing the world we live in. We foster writings that break social, cultural and gender stereotypes and help us see the other side of pictures by helping us develop our narrative imaginations. We valorize kindness and equality, compassion and caring. Lokāḥ Samastāḥ Sukhino Bhavantu – stories can foster cultural linking – between peoples, languages, cultures of India – historically and across the miniscule chasms like caste, class and religion. In supporting writers for our child-readers who are creative – iconoclastic or traditional – and explore life thoroughly and empathetically. We support our writers who, in their creations, steadfastly refuse to be drawn by economic need to commercialize or follow conventional thinking. We applaud and admire writers who create good and sensitive pieces of work which recreate the magic of life. We desire stories and poems that enhance our understanding of the contemporary and the historical in our lives: what we are now, where we come from, and what we aspire to be as a country made up of, predominantly, children. We revel in the readers and the joy they feel after a good read. We believe in our good editors and the strength they bring to texts, honing their appeal and charm, and in the good and sensitive teachers who help us bridge them through close reading of stories and texts. We see the humanities as a tool to transform the self, and through it, the society we live in.

*Kapil Madhukar pande*

(NEWSCASTER)

Ref: <http://www.katha.org/>

**MEDIA****ANOTHER VALUABLE GEM LOST TO THE WORLD**

So far, 2020 has been marred with bad news and tragedy with the deaths of several popular Black icons including Bryant, Lewis and recently Boseman, who died on Friday. All three were viewed as leaders in their respective fields of sports, politics and film — places where people, particularly in the Black community, have often looked for inspiration during a year of racial tension and protests against the police brutality of unarmed Black people. But for many, the loss of another major figure such as Boseman is taking a toll. The actor, who starred in the blockbuster superhero Marvel film “Black Panther,” shockingly died at the age of 43 in his home in Los Angeles after he privately battled colon cancer for four years. Boseman was elevated to a stage that many Black actors don’t get the chance to occupy, said Los Angeles Lakers star LeBron James. And his ability to be “transcendent” on that stage brought a comic book character to life for many in the Black community.

“It’s a lot to unpack,” said Oklahoma City Thunder guard Chris Paul. “Chadwick was a special guy. I think everyone took it hard, especially the Black community. That was one of our black superheroes. I think ‘Black Panther’ was something so powerful, for myself along with my kids to see a superhero that looks like them and the way that he played it with such class and elegance. That was tough.” Gil Robertson, the co-founder and president of the African American Film Critics Association, said Black people are at a critical crossroads of their survival in America. “We’re losing these strong men. These men who operated with a level of integrity. A level of authenticity. I find all of this alarming. I hope that our community can really come together. ... Not just for one cause. Just to make a consistent effort to rehabilitate our community.”

~ Vedang Khopkar

Ref : abcnews.go.com

**ICSI ICAI EXAMS ARE BEING CONDUCTED BY USING SAFE MODES**

Today a very dangerous and a critical situation of COVID-19 is going on around the whole world and the number of deaths and cases are going on increasing day by day and this has thrown all the countries’ economies into a very much backward moving situation. In this timing there is a lot of career time waste for the growing generations.

There are many Global Institutes taking their exams in the form of fully MCQ based or major MCQs portion and some portion of Constructed Responses questions which includes the exams like CFA, CPA USA, CMA, CAIA, FRM, CIPM, etc. This all of the Global Institutes are having computer based examination patterns and so we should also upgrade to such a kind of paperless examination system and with the help of today technology we can get the results as soon as the examinations get over by having answer keys attached with the same.

Institute of Company Secretaries of India conducted the first ICSI CS Executive Entrance Test, CSEET on August 29 2020. It was conducted through remote proctored mode due to the pandemic. The tests were supposed to be conducted in July but were later postponed.

ICSI released a notification stating, “All eligible candidates would be allowed to appear for the test through laptop or desktop from home or any such other convenient place. However, the candidates shall not be allowed to appear through smartphone (mobile) or tablet etc.”



Anushka more

Ref-cma ca exams

## ARTS & HISTORY

### Sketch



A **sketch** "done extempore" is a rapidly executed freehand drawing that is not usually intended as a finished work. A sketch may serve a number of purposes: it might record something that the artist sees, it might record or develop an idea for later use or it might be used as a quick way of graphically demonstrating an image, idea or principle.

Sketches can be made in any drawing medium. The term is most often applied to graphic work executed in a dry medium such as silverpoint, graphite, pencil, charcoal or pastel. It may also apply to drawings executed in pen and ink, digital input such as a digital pen, ballpoint pen, marker pen, water colour and oil paint.

#### History of sketch

The sketch was introduced after the 16th century in response to growing middle-class interest in social realism and exotic and foreign lands. The form reached its height of popularity in the 18th and 19th centuries and is represented by such famous sketches as those of Joseph Addison and Richard Steele in *The Spectator* (1711–12).

artists used a metal stylus to sketch on papyrus. During the era of Renaissance art (1400-1530), the stylus was employed with a variety of metal alloys to create other dry media like metal point and silverpoint. Apprentice artists and young pupils were usually given an empty stylus with which to practice sketching by making easily removable linear marks on wax tablets.



#### Modern Sketch

technology offers numerous alternatives to traditional sketching techniques like pencil and paper. There are numerous software programs available such as *Sketchbook Pro* and *Corel Painter Sketch Pad* to help produce professional artworks.

Reference :- Wikipedia.in  
Newscaster :- Shubham Shelar

### A. P. J. Abdul Kalam



#### Early life and education

Avul Pakir Jainulabdeen Abdul Kalam was born on 15 October 1931 to a Tamil Muslim family in the pilgrimage centre of Rameswaram on Pamban Island

In his school years, he had average grades but was described as a bright and hardworking student who had a strong desire to learn.

Kalam went on to attend Saint Joseph's College, Tiruchirappalli, then affiliated with the University of Madras, from where he graduated in physics in 1954. He moved to Madras in 1955 to study aerospace engineering in Madras Institute of Technology.

#### Career as a scientist

Kalam joined the Aeronautical Development Establishment of the Defence Research and Development Organisation as a scientist after becoming a member of the Defence Research & Development Service (DRDS).

The *Pokhran-II* nuclear tests were conducted during this period in which he played an intensive political and technological role. Kalam served as the Chief Project Coordinator, during the testing phase.

#### Presidency



Kalam served as the 11th President of India. He won the 2002 elections with an electoral vote of 922,884, surpassing the 107,366. His term lasted from 25 July 2002 to 25 July 2007.

On 18 June, Kalam filed his nomination papers in the Indian Parliament, accompanied by Vajpayee and his senior Cabinet colleagues.

#### Death

On 27 July 2015, Kalam travelled to Shillong to deliver a lecture on "Creating a Livable Planet Earth". While climbing a flight of stairs, he experienced some discomfort, but was able to enter the auditorium. At around 6:35 p.m., only five minutes into his lecture, he collapsed. Despite being placed in the intensive care unit, Kalam was confirmed dead of a sudden cardiac arrest at 7:45 p.m. His last words, to his aide Srijan Pal Singh, were reportedly: "Funny guy! Are you doing well?".

Reference :- wikipedia.in  
Newscaster :- Shubham Shelar

**LIBRARY****CV-RAMAN CHADRASEKHARA VENKATA RAMAN-THE FIRST ASIAN TO RECEIVE NOBEL PRIZE.**

DR.CV RAMAN full name is DR. Chandrasekhara Venkata. On 28 February,1928,he discovered the Raman effect and win Nobel prize in physics for the discovery. Every year on 28 February, National science day is celebrated to pay tribute to the Nobel laureate DR.CV.RAMAN. let us read more about him, his childhood days, education, family, discoveries, award, and achievements.

DR.C.V RAMAN was born on 7 November,1888 in an orthodox south Indian brahmin family in Tiruchirappalli, Tamil Nadu. His father's name was Chandra Shekhara Aiyer who was a lecturer in mathematics and physics in a college in Vishakhapatnam. His mothers name was Parvathi Ammal C.V. Raman was an intelligent and brilliant students since his early childhood. At the age of 11, he passed his matriculation and 12<sup>th</sup> class at the age of 13 with a scholarship. In 1902, he joined the presidency college and received his graduate degree in 1904. That time, he was the only student who received the first division. He has done his masters in physics from the same college and broke all the previous records. In 1907, he married to Lokasundari Ammal and had two sons namely Chandrasekhar and Radhakrishnan. Because of his father's interest, he appeared for the financial civil services[FCS] examination and topped it. In 1907, he went to Calcutta [now Kolkata] and joined as Assistant Accountant general. But in the spare time, he went to the laboratory for doing research at Indian association for cultivation of science .let us tell you that this job was very hectic then also he continued his research work in night dur to his core interest in science. He got an opportunity to join the university of Calcutta in 1917,as the first Palit professor of physics. After 15 years at Calcutta, he became the director of the Raman Institute of Research at Bangalore which was established and endowed by him only.

He established the Indian journal of physics in 1926 where he was the editor. He also sponsored the establishment of the Indian academy of sciences and served as the president since its inception. He was the president of the current science association in Bangalore, which publishes current science India. He published his work on the Molecular Diffraction of light" in 1922 which led to his ultimate discovery of the radiation effect on 28<sup>th</sup> February 1928 and gained him to receive Nobel prize in physics in 1930.

In 1948, he also studied the fundamental problems of crystals dynamics. His laboratory has been dealing with the structure and properties of diamond, and the structure and optical behaviour of numerous iridescent substances like pearls, agate, opal, etc. he was also interested in the optics of colloids, electrical and magnetic anisotropy and the physiology of human vision. No doubt he was honoured with a large number of doctorates and membership of scientific societies. In 1924, he was also elected as a fellow of the royal society early in his career and was knighted in 1929. As a briefly described that he is best known for discovering the 'RAMAN EFFECT' or theory related to the scattering of light traverses a transparent material, some of the deflected light changes its wavelength.

DR.C.V. RAMAN was one of the great legends from India whose hard work and determination made India proud and became the first Indian to receive Nobel prize in physics.

Source:<https://m.jagranjosh.com/general-knowledge/Chandrasekhara-venkata-raman-cv-raman-biography-153042778-1>

Siddhi Karekar.

## FOOD & HEALTHCARE

### Happiness breathes when you do

Bhramari Pranayama, also known as Humming Bee Breath, is a calming breathing practice that soothes the nervous system and helps to connect us with our truest inner nature. *Bhramari* is the Sanskrit word for bee, and this pranayama is so named because of the humming sound produced at the back of the throat during the practice—like the gentle humming of a bee.

#### How to do Bhramari pranayama:

Keep your eyes closed for some time. Observe the sensations in the body and the quietness within. Place your index fingers on your ears. There is a cartilage between your cheek and ear. Place your index fingers on the cartilage.

Take a deep breath in and as you breathe out, gently press the cartilage. You can keep the cartilage pressed or press it in and out with your fingers while making a loud humming sound like a bee.

You can also make a low-pitched sound but it is a good idea to make a high-pitched one for better results.

Breathe in again and continue the same pattern 3-4 times.

#### Benefits of Bhramari pranayama:

Gives instant relief from tension, anger and anxiety.

Helps mitigate migraines.

Pranayama benefits in Improving concentration and memory

Builds confidence.

Pranayama benefits in reducing blood pressure.

Helps calm the mind in preparation for meditation.

This is usually done after the warm-up at the start of the yoga practice. However, you can practice this later too. Yoga practice helps develop the body and mind bringing a lot of health benefits yet is not a substitute for medicine.

-Diksha Singh

#### Reference:

<https://www.banyanbotanicals.com/info/ayurvedic-living/living-ayurveda/yoga/bhramari-pranayama/>

### Fruit of the Future

#### Is the world headed for a banana revolution?

More than a century ago, when the American palate was just beginning to develop a taste for adventure, a single entrepreneur started a revolution. He took a strange tropical fruit—a product whose very shape made it taboo—and set out to make an entire nation fall in love with it. His task extended beyond seduction. He had to invent ways to bring this perishable produce thousands of miles, from the jungles of Central America, where it was grown, to greengrocers in the United States, without its spoiling.

- The product, of course, was the banana; the entrepreneur was Andrew Preston. He was a marketing genius. To counteract the sexual suggestiveness of the banana, he printed postcards that featured proper Victorian women dining on it.

- The company founded by Preston in 1899 was called United Fruit. The product it was built on is still the most popular, and most affordable, fruit in American supermarkets.

- Anywhere on earth where it is warm and wet, you will find bananas. You will find them in backyard gardens in Southeast Asia and China, on farms in India, and on industrial estates in Pakistan. The fruit grows in the Philippines, Australia, Papua New Guinea, and Hawaii. It feeds millions in Africa. In this hemisphere, the fruit grows in nearly every nation south of our own.

#### REFERENCE:

<https://www.saveur.com/article/Kitchen/Fruit-of-the-Future/>

Akanksha Bhardwaj

(NEWSCASTER)

### Edible flowers

Floral centerpieces on the dinner table are a classic and timeless tradition, but flowers can sometimes show up on your dinner plate, too. Edible flowers are used in many different styles of cuisine and can be found on menus all over the world .

**1.Hibiscus** -You can eat the flower straight from the plant, but it is usually used for tea, relishes, jam or salads. Many cultures drink Hibiscus tea for its medicinal properties. Some studies indicate that hibiscus may help reduce blood pressure and cholesterol levels .

**2. Lavender** - Lavender is probably best known for its distinctive fragrance, which is acclaimed for its calming effects.The combination of color and aroma make lavender a particularly desirable addition to a variety of foods, including baked goods, infused syrups, liqueurs,,dry spice rubs and herb mixtures.

**3.Honeysuckle**- Honeysuckle has been vital to traditional Chinese medicine practices for centuries . In the culinary world, honeysuckle is most often used to make tea or a fragrant, flavorful syrup. You can use the syrup to ,lemonade, Yogurt and sorbet or as flower and its nectar are perfectly safe to eat, note that the berries of some varieties may be toxic if ingested in large quantities.

**4. Nasturtium** - Nasturtium is a culinary favorite because of its brightly colored blossoms and unique, savory flavor.. Nasturtium is not only a versatile and eye-catching ingredient but also nutritious containing a variety of minerals and health-promoting compounds with antioxidant .

**5. Borage**- In herbal medicine, borage is used to treat minor ailments, such as sore throat or cough. The flowers are often described as having a slightly sweet flavor that is reminiscent of cucumber and Honey. The flowers may be eaten fresh in a salad or as a garnish for desserts and cocktails — or they may be cooked and added to soups, sauces or stuffed in pasta .

**6.Purslane**- Purslane a yellow flowers and thick, fleshy leaves Its filled with vitamins, minerals and antioxidants, but its biggest claim to nutritional fame is its omega-3fat content. The flowers and leaves of purslane can be served raw in many salads . They may also be sautéed or steamed with other vegetables as a side dish or added to your favorite soups.

Seema Samantha

REF <https://www.healthline.com/nutrition/edible-flowers>

## CULTURE & CUISINE

### Royal Food Of Bengal: Sheherwali Cuisine Is A Delight In The Land Of 'Mach, Mishti And More'

With their lineage in the Western India and life in the Eastern India, Sheherwali community created a mixed culture of its own.

Speaking about Sheherwali cuisine, according to Murshidabad Heritage Development Society, "It is possibly the finest vegetarian spread one can find, even in modern times, and is a wonderful melange of the cuisines of the west and the east of India."



Flavours of foods rich in ghee and bold spicy tastes that could survive in the tough climate of Rajasthan, met the distinctive local flavours of Bengal and the royal cuisines of the Afghans and later the Mughals," the society wrote on their website. On that note, the Murshidabad Heritage Development Society, founded in 2010, aims to restore and revive the heritage of Murshidabad.

A confluence of culture is witnessed in the Sheherwali cuisine where vegetarian Rajasthani food has a blend of Bengali spices like 'panch phoron' and Nawabi ingredients like saffron, rosewater and dry fruits. The slow cooking process adds richness to these vegetarian dishes.

#### Here Are 5 of the Most Famous Dishes of Sheherwali Cuisine

**Saloni Mewa Ki Khichdi**- Tastes somewhat like Bengali sweet 'Mihidana', but is overloaded with dry fruits and rosewater

**Chhena Bora**- A dessert made out of cottage cheese that has a hard crust and soft interior

**Kheere Ki Kachori**- As the name says, it is a kachori with a filling of grated cucumber, curd and spices; the shape of the kachori is like a round gujiya

**Neemas**- It is a variation of what we call in Delhi 'Daulat Ki Chaat'

**Paniphal/Dal Ka Samosa** - Samosa with dal or water chestnut filling

Dhanashree Patil  
(NEWSCASTER)

### The Dance and Music Culture of Mizoram

The Mizo society has been quite famous for its traditional folk dances. These dances have always been a part of the festivals and celebrations of Mizoram. Cheraw, one of the three most important dances of Mizoram, Chonglaizon, and Khoalam dances are one of the most prominent dances of Mizoram.

**The Cheraw** dance is the most famous dance of the Mizo tribes. Long bamboos are used in this dance. Apart from this, Chero dance is also called Bamboo dance or Bambu dance. These dances are performed in groups of four people. In which men dance with women. Men hold these bamboos and women are dancing inside it. Women dance to the beat of the drum playing outside.

**Chonglaizon** dance is performed mainly by the people of the Lai or Pawai tribe. This is a very special kind of dance. During this dance, men and women dance by wearing a traditional Puan or colorful shawl. The belief behind this dance is that it is performed on both occasions of happiness and sorrow.

**Khoallam** dance is a dance of the guests. People are invited to this dance. Apart – People from different villages also take part in this dance. Here khoal means – guest and lam mean dance. Apart from this, there are other folk dances in Mizoram like Saulkin, Solakai, Chailam, and Paralam, which are organized from time to time.

People of Mizoram are also very fond of music. Their music is very soft and melodious. Guitar is the most prominent instrument used in Mizoram music. Apart from this, people here also use instruments played by drumming, blowing and String instruments. The music played by instruments includes some of the major music such as Tingtang, Lemlawi, and Tuiumdar. Apart from this, music played by drums also includes music like Talhkuang, Khuang, Dar, Bengbung and Sek.

Mizo music, played by wind, blows, also has many names. These music include music such as Hnahtum, Mautawtarawl, Rawchhem, and Tumphit. Apart from this, there is some other folk music in Mizoram which is played on different occasions and festivals.



Sahil Pandelkar  
(NEWSCASTER)

Ref:<https://www.ritiriwaz.com/mizoram-culture-and-tradition/>

## TRAVEL & TOURISM

### AMUSEMENT PARKS - LET'S EXPLORE THE ADVENTURE

#### 1. UNIVERSAL STUDIOS, SINGAPORE (7 THEMES & MORE)

Known as “one of its kind theme park in Asia,” the Universal Studios Singapore speaks for its 24 attractions located within 7 theme areas that include Hollywood, New York, Sci-Fi City, Far Away, Madagascar, The Lost World, and Ancient Egypt. The spectacular theme zones give the park a special place as being one of its kind in the world, and it surely fits the bill for being one of the best amusement parks in the world.

Location: 8 Sentosa Gateway, Singapore 098269

Places To Stay Near: Festive Hotel, Harbour Ville Hotel, Amara Sanctuary Resort



#### 2. DISNEYLAND, PARIS (A MAGICAL WORLD)

Disneyland Paris is one of the classical attractions that is known to be among the well-known and biggest amusement parks in the world. The incredible themes like Big Thunder Mountain, and Pirates of the Caribbean are just a few of the numerous surprises that must not be missed when you enter into the most sought theme parks in all of Europe. Other than this, Disneyland also offers entertainment complexes, musical tour of world attractions, roller coaster rides, shopping, and much more. No doubt, it is considered to be one of the world's best amusement parks and is among the popular places to visit in Paris not only for kids but also for adults.

Location: 77777 Marne- La- Vallée, France

Places To Stay Near: Hotel Marne-la-Vallée, Campanile Val de France.

REFERENCE- [www.traveltriangle.com](http://www.traveltriangle.com)

TANVI KENDULE- NEWSCASTER

### Best Places To Visit In Nainital

#### 1. Naini Lake – Lifeline Of Nainital

One of the most popular tourist attractions in Nainital and its heart – Naini Lake reflects the color of beautiful surroundings. The *lake is a pear-shaped*, attracts lots of tourists who come and enjoy boating, yachting or paddling in the lake. One can explore the lake from one end to another watching dynamic and peaceful views of the sunset. The lake is surrounded by seven verdant hills and steals the heart of many!

Category: Leisure

Location: Ayarpatta, Nainital, Uttarakhand

Famous for: Boating, picnic

Opening time: Open all days

Duration: 2 hours

Entry fees: INR 100

#### 2. Naina Devi Temple

**Naina Devi temple** rests over the **banks of Naini Lake** and is a popular place to see in Nainital in May & June. It is believed that Goddess Sati's eyes fell at the exact same spot where this temple stands, which attracts a great number of devotees. The temple is situated at the top of Naina Hill. This is one of the most popular temples in Nainital.

Category: Religious

Location: Ayarpatta, Nainital, Uttarakhand 263002

Famous for: Peaceful vibes, praying, view of the lake

Opening time: 6 am to 10 pm

Duration: 30 minutes

Entry fees: Free entry

#### 3. Snow View Point – Oldest Viewpoint

Of the many tourist places in Nainital, the oldest Snow Viewpoint is a must visit. The viewpoint offers mesmerizing views of the snow-clad peaks of the majestic Himalayan range. The peak is connected by motorable roads and an aerial ropeway. Most people also opt to trek to the point and enjoy the views of snow-capped hills like Nanda Kot and Nanda Devi. Don't worry about anything as there's easy access to shops, tea, and snacks here, which makes it one of the best places to visit in Nainital in 2 days.

Category: Sightseeing

Location: 7, Maldon Cottage Road, Mallital, Nainital, Uttarakhand 263002

Famous for: Views of snow-capped hills, nature

Opening time: 10 am to 5 pm, closed on Saturday

Duration: 1 hour

Entry fees: Free entry



Reference :- [www.traveltriangle.com](http://www.traveltriangle.com)

Shriya Chavan (Newscaster)

## SPORTS

## IPL: Mumbai Indians To Take On CSK In Opening Match On Sept 19 In Abu Dhabi



The schedule for the upcoming Dream11 Indian Premier League 2020 to be held in UAE was announced by the IPL Governing Council on Sunday. The season will kickstart on September 19 in Abu Dhabi with a blockbuster clash between defending champions Mumbai Indians and Chennai Super Kings, the statement said.

After the tournament opener on Saturday, Dubai will host its first game on Sunday (September 20) when Delhi Capitals take on Kings XI Punjab followed by the third match on Monday (September 21) between Sunrisers Hyderabad and Royal Challengers Bangalore, it said.

The IPL was initially set to be conducted in India, but was shifted to the UAE due to the increasing cases of Covid-19 in the country.

The IPL action will shift to Sharjah on Tuesday, September 22, where Rajasthan Royals will host Chennai Super Kings.

There will be 10 double headers with the first match starting at 3:30 pm IST and 2:00 pm UAE time. All evening matches will start at 7:30 pm IST and 6:00 pm UAE time. In all, 24 matches will be held in Dubai, 20 in Abu Dhabi and 12 in Sharjah, the statement said. Venues for the playoffs and the Dream11 IPL 2020 final will be announced later, it said.

The upcoming 53-day edition of the IPL is by far the longest in the history of the league. Precautionary measures will be taken to ensure the players' safety amid the pandemic, with teams staying in a bio-secure bubble.

The schedule, expected to be out in the last week of August, got delayed due to 13 personnel of the Chennai Super Kings (CSK) camp testing positive for Covid-19.

GAYATRI KELKAR

REF- <https://www.thehindubusinessline.com/>

## No Clear Winners As Lionel Messi Decides To Stay At Barcelona



Barcelona fans will be celebrating the fact they will get to watch their beloved Lionel Messi for another season after he announced he would be staying at the Nou Camp on Friday. But the result of the high-profile arm wrestle between the world's most iconic soccer player and one of its biggest clubs appears to have ended with neither camp able to claim victory.

On the face of it, the 33-year-old six-time world player of the year appears to have backed down in the raging contract row ignited last week when he stated he wanted to leave for free.

Messi's statement In a statement on Friday, Messi said he was staying on reluctantly, rather than face a bitter court battle with the club he joined as a teenager and with whom he has amassed more than 30 major trophies and netted over 600 goals. This was no ringing endorsement, though. "I wanted to go and it was entirely my right, because the contract said that I could be released," Messi said in an interview with Goal.com. "I wanted to go because I thought about living my last years of football happily. Lately I have not found happiness within the club."

Messi is rich beyond imagination; the fact that he will pocket a 70 million euros loyalty bonus, and get to leave on a free transfer next summer, would not have been a factor in his decision.

The Argentine has clearly become disenchanted with life at Barcelona. On the pitch Barcelona's 8-2 defeat by Bayern Munich in the Champions League was a humiliation; off it, his relationship with Bartomeu has hit the rocks.

GAYATRI KELKAR

REF- <https://www.thehindubusinessline.com/>

## SOCIAL ISSUES

### AQUATIC LIFE REBORN, BUT FISHERMAN'S STANDSTILL!

Human life comes to a standstill as many countries shut themselves off from the work due to COVID-19 that hit the world severely in the first quarter of 2020. All types of industries, vehicle movement, and people's activity suddenly halted, perhaps for the first time in modern history. Since the industries and people's activities have been shut off for a month, it has seen discernible positive impact due to reduction in pollution.



As per the Delhi Pollution Control Committee, the river GANGA'S and YAMUNA'S water quality has improved with the increase in dissolved oxygen & reduced nitrate concentration.

It's also a hard time for fisherman and their business because, with large numbers of fishing days lost because of cyclones in 2019, and now the pandemic, fishermen have been looking for support to run their daily lives.

Women are usually seen on the streets selling fish, but all of them have disappeared. "Even though some fishing happens, the women are not able to sell because they cannot ride a cycle like some male vendors do, and there's no public transport," says Pradip Chatterjee.

But, now CIFT is also in touch with various stakeholders in fisheries to understand their needs. "We had a session with fishermen, exporters and processors on what they need from the government," Ravishankaran says. The Institute has also recommended that initiatives be taken to promote online fish marketing, as fresh fish markets are mostly non-operational now.

Everything is getting usual with time. These all are temporary effects for a short period of time, but this short period of time can be utilized to learn a lesson from mother nature so that these temporary effects may stay permanent.

Earth is healing, let it stay healed!

Samakhiya Sahu

TY B.M.S

REFERENCE: <https://www.thehindu.com/news/cities/mumbai/covid-19-pandemic-takes-the-wind-out-of-fisherfolks-sails/article31597814.ece>

### 2020 BEIRUT EXPLOSION

On the evening of 4 August, a powerful explosion had sent a huge orange fireball into the sky, followed by a massive shock wave that overturned cars, damaged buildings and shook the ground across the Lebanese capital. More than 100 people were killed and nearly 4,000 injured in explosion. Could this year be any worse?

The Beirut explosion has caused damage worth \$3 billion, with the country's collective loss estimated at \$15 billion. Large parts of the capital city have been devastated. The below shown image is an after image of explosion. Yes, it is true. It's not from any Hollywood film this was the real condition of Beirut.



Now, what are the possible causes for the blast?

According to the Lebanon government, the recent explosion was caused by 2,700 tonnes of ammonium nitrate stored for six years in a warehouse in the city's port. A similar amount of the chemical arrived on a cargo ship, the MV Rhosus, which docked in Beirut in 2013 after suffering technical problems while sailing from Georgia to Mozambique.

The Rhosus was inspected, banned from leaving and was shortly afterwards abandoned by its owners, according to Shiparrested.com. Its cargo was reportedly transferred to Warehouse 12 following a court order, and should have been disposed of or resold. But the cargo wasn't disposed or resold, from 2013 to 2020 the cargo was still there at warehouse 12. A fire appears to have triggered the explosion of the ammonium nitrate in Beirut. As you can see its clear case of negligence by the officials which led to this big blast. This negligence by officials has sparked widespread public anger, which had already been stoked over the past year due to serious economic woes.

Article by: Aakanksha Vadvalkar

Sybms B

Reference -indianexpress.com

**STUDENT'S SECTION****Career Opportunities –****Career opportunities in Digital Marketing****Why digital Marketing?**

The world is going Digital and by the year 2020, all the companies around the world including India will have online presence and thus creating a lot of career opportunities.

Major Roles in Digital Marketing.

**1. Digital Marketing Manager or Digital Director-**You can say that this is one of the highest position in the field of Digital Marketing. To attain this position one must atleast have 5-7 years of experience in Digital Marketing. The Digital Marketing Manager/Director looks after the overall marketing development devising strategies that will drive more traffic, undertaking digital marketing campaigns etc

**2. Social Media Executive and Social Media Manager-**As a social media executive/manager you are required to keep a check on the latest social media trends and plan strategies accordingly, co-ordinate with the content team and client servicing team on regular basis, creating quality content or video etc.

**3. SEO Executive/ Expert-**A well-designed website will be of no use if the company does not have people who can promote it and thus the company hires SEO executives who make sure that the company's website is all over the web. SEO executives are responsible for getting traffic on the website and improving the Google rankings

**4. PPC / SEM Expert-**They generate a lot of leads for the company and therefore there is a great demand for PPC professionals. As a PPC/SEM expert, you are supposed to manage PPC keywords, split ad groups, refine landing pages, generate reports, provide suggestions for ad copies and graphics, etc.

**5. Content Marketer-**Responsibilities of a content marketer include creating content that has all the qualities of going viral, making sure that the content is promoted well through SEO, coordinating with other teams and incorporating their inputs in content, following content trends, etc. To get into content marketing you will need an impeccable knowledge of the English language along with a lot of creativity.

Other Roles

- Analytics Manager
- CRM Manager
- Email Marketing Manager
- E-Commerce Manager
- Digital Agency Account Director

- Jidnyasa Patil

(Newscaster)

Ref:( <http://edupristine.com>)

Previous Week's Crack the code puzzle answer

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**QUIZ TIME!!**

1. What is the first artificial satellite to orbit Earth?

[A] Sputnik 1 [B] Explorer 1 [C] Vanguard 1 [D] Discoverer 1

2. Which country has the largest armed forces?

[A] India [B] China [C] Russia [D] USA [E] North Korea

3. Who was the first space tourist?

[A] Dennis Lee [B] Dennis Tito [C] Neil Armstrong [D] Yuri Gagarin

4. Who among the following was the first Prime Minister did not face the Parliament?

[A] Dr. Zakir Hussain [B] Gulzarilal Nanda [C] Ch. Charan Singh [D] Morarji Desai

5. What is the name of the Indian State with the least population?

[A] Sikkim [B] Goa [C] Nagaland [D] Tripura

Varad Pawar

(Newscaster)

Ref: [www.jagranjosh.com](http://www.jagranjosh.com)

**FUN FACTS**

1. The heart of a shrimp is located in its head.
2. Elephants are the only animal that can't jump.
3. A cow gives nearly 200,000 glasses of milk in a lifetime.
4. An ostrich's eye is bigger than its brain.

Varad Pawar

(Newscaster)

Ref: [www.thedodo.com](http://www.thedodo.com)

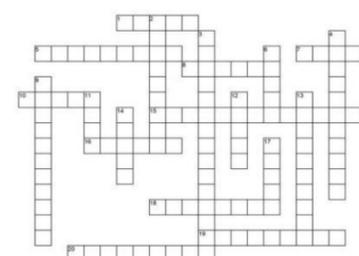
**ART BY STUDENT**

Devi Dhamankar

SYBMS

- Jidnyasa Patil

(Newscaster)

**Crossword Puzzle -****ACROSS**

- 1 Largest internal organ and gland in the human body
- 5 Set of veins that deliver oxygenated blood from the lungs to the heart
- 7 Largest organ of the human body
- 8 This organ filters the blood and removes the wastes
- 10 Biggest bone in human body
- 15 Erythrocytes
- 16 Smallest bone in human body
- 18 Blood vessels that carry blood away from the heart
- 19 It connects bones to other bones.
- 20 They are often called as Thrombocytes and are responsible for blood clotting

**DOWN**

- 2 Bones which protect our spinal cord
- 3 Leukocytes
- 4 Arteries, Capillaries and Veins are all part of \_\_\_\_\_ system
- 6 Bone in the body that does not meet another bone
- 9 \_\_\_\_\_ system brings in oxygen and removes carbon dioxide
- 11 Bones that cover the lungs
- 12 \_\_\_\_\_ support and protect the various organs of the body
- 13 Full form of Hb
- 14 It is a muscular organ that provides blood circulation
- 17 Blood vessels that carry blood towards the heart

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