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The Virtue of Gratitude



King Lear said these words in Shakespeare's play of the same name. Indeed, the words are extremely relevant today.

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Five Essentials For Creating A Positive Classroom



As you handle various aspects of your classroom, you will start to notice slow changes beginning to have their effect on your student's and the quality of your teaching.

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Time for an Adventure



An adventure is an exciting and challenging experience that is typically a bold undertaking. Adventure is totally different from our normal and ordinary life.

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Sir Chandrasekhara Venkata Raman



He was born near a small village in Tiruchirapalli to R. Chandrasekhara Iyer and Parvathi Ammal. His father, initially a school teacher, became a lecturer in mathematics and physics in a college in Vishakhapatnam.

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"If Multi-tasking were an Olympic sport, teachers would have a shrine of gold medal."

The open Page Educator's Award 2019-20

Teaching is a very noble profession that shapes the character, caliber and future of an individual. We believe "The reasons teachers awarded as of all the jobs around, one of the hardest is being a good teacher."

Teachers are some of the hardest workers. Not only they have to meet the needs but have to accommodate the learning styles of thirty plus students an hour. They are multitude of other task also.

As they care like mother, they spend time with children than most of their parents do. Their job is to teach but many times they go beyond their duty by exceeding their role as a counselor, psychologist, cheer leaders, life coaches and much more.

Their efforts convert the child's answer from "I Can't" to "I can!"

Their moral mission is to help the child out and support him to get off from all the hurdles.

During the Journey this –excellent work carried out by educators in various aspects of the education came in light. These innovators who were working to improve the quality selflessly were not being recognized and encouraged.

THE OPEN PAGE – A Children's Newspaper is published fortnightly in English and monthly in Gujarati. This is an educational newspaper for students and the educator's. At present more than 17,000 copies along with e-copies are being circulated all over Gujarat in English and Gujarati medium schools. THE OPEN PAGE EDUCATOR'S AWARD, as a means of recognizing and celebrating excellence in education and raises the stature of the teaching profession, so that children shall dream of becoming the greatest teacher in the world. We seek to celebrate the best teachers-those who inspire their students and community around them. We strongly believe that Educator's awakens and inspires the full potential of young learners. The Awards highlight how vital success in education is to the health and wealth of Gujarat State. The award underlines the importance of the teaching profession and symbolizes the fact that teachers. Throughout the world deserve to be rec-



ognized and celebrated.

In 2014-15, six years back the 1st edition of educator's award was announced and organized in Ahmedabad. The second award in 2015-16 was organized in Rajkot, third award in 2016-17 was in Surat, fourth award in 2017-18 in Vadodara. Last year in 2018-19 the award function was in Mehsana.

**Warm Welcome From
The Open Page
For
6th Educator's Award
hosted by
Kameshwar International School
Gandhinagar**

**Saturday, 8th February 2020
4:00 pm to 6:30 pm**

VENUE

Opp. Aashka Hospital, Nr. Sargasan Cross Road,
Sargasan, Gandhinagar, Gujarat - 382421.

AIM

To recognize and rejuvenate the noble profession of educators.

OBJECTIVE

To recognize and felicitate the teaching profession.

To motivate individuals /



organizations/Institutions/Government/NGO/To create a better citizens through education. The open page has a policy to organize the award function in six major cities of Gujarat in turns and each city has a host. This is an opportunity to promote and recognize the importance of educators in the future.

This year the Host of the award is KAMESHWAR INTERNATIONAL SCHOOL, a well-known education organization of Gandhinagar.

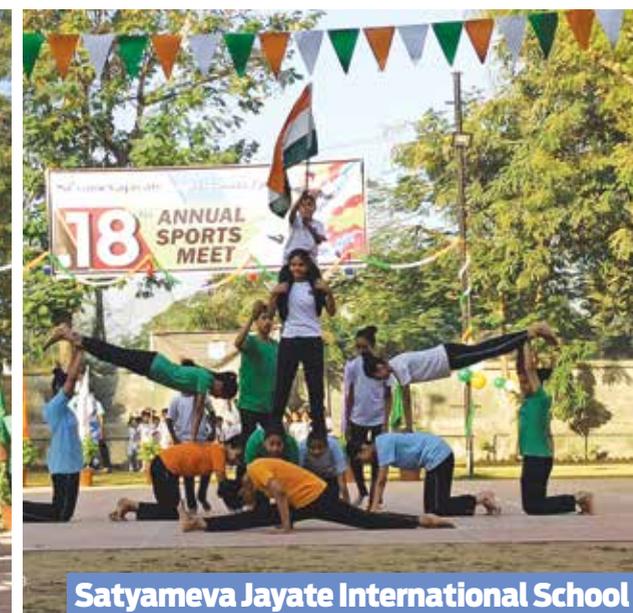
Idea behind the rotation is to make the award popular and invite more and more educators to get nominations and show case their work.

Being the need of the hour, we began with the noble deed of felicitating this profession.

We are delight to announce our gratitude towards the teachers of our society in the form of "THE OPEN PAGE 6th EDUCATOR'S AWARD."

To feature your school event on this page, send the details and photographs to editor@theopenpage.co.in

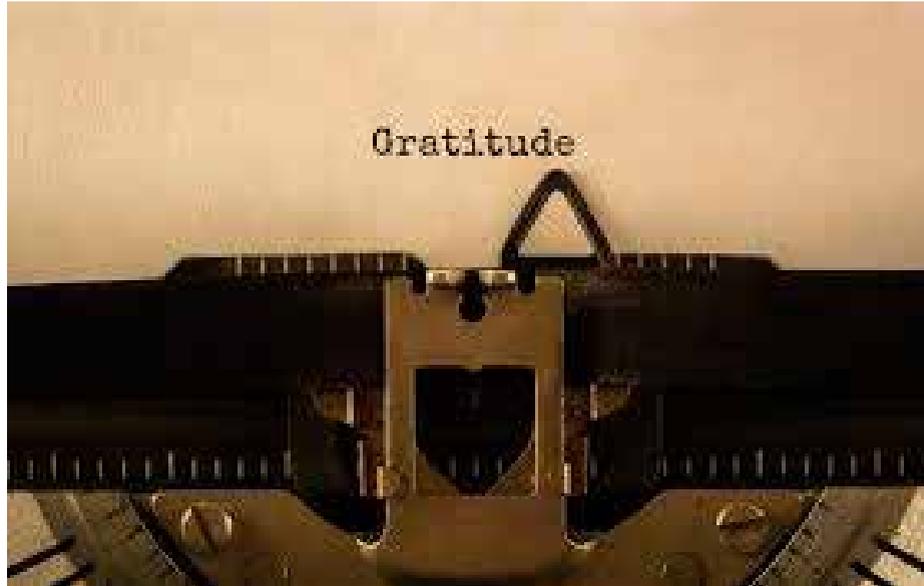
Republic Day Celebration at Various Schools



The Virtue of Gratitude



RADHIKA IYER
Director
Udgam School for Children



'How sharper than a serpent's tooth it is To have a thankless child!'

emotions, express kindness and compassion, become humble and build strong relationship in personal and social life. At workplace, a simple 'Thank you' from the employer motivates employees to work harder.

How do we cultivate gratitude in children? Let's teach them to count their blessings, that is, write down, on a regular basis, positive things that happened to them. This will make them look at the brighter side of things instead of complaining. Make them write 'Thank you' notes to those who made things positive for them.

It was a pleasant experience for me to make students express their gratitude towards their teachers and parents in writing. Not much effort was required. Once they wrote, they realized how much they owe to them. Likewise, I advised them to write in their diary every day, at least three good things that happened to them. And express gratitude towards those responsible for them.

expressing appreciation for whatever has, or one has received. The appreciation may be towards people, nature or God. We have festivals that involve ritu-

als of thanksgiving for good harvest or rains or our very survival.

Gratitude has many blessings. It makes a person experience positive

STD. VIII D, ZEBAR SCHOOL FOR CHILDREN

- I am very grateful that I have such great teachers in my school. My teachers not only help me with my studies but also solve problems that I face with my friends or people around me. Sometimes the scold me but I know it is for my good. I thank all my teachers for making me a good human being.
—Ananya Goenka
- I consider my teachers as second parents. They help me whenever I face a problem. I was a shy person and I have stage fear. My teachers removed this fear by making me the anchor of the annual function.
—Pranjal Gandhi
- I am very grateful to my teachers who teach me in the best way possible. I always approach my teachers when I have a doubt and they have readily solved them. They help me where even my friends cannot.
—Divyesh Patadiya
- I am very grateful to my teachers for making my experience in class 8 a pleasant one. I know teachers do scold students sometimes, but they only do it for our good.
—Parva Shukla
- My teachers explain every topic clearly. If I have a doubt, they help give extra time to solve it. They don't mind explaining several times, until I understand it.
—Vedang Patel
- I have immense gratitude towards my teachers for teaching me new things every day. They never grudge spending extra time to clear my doubts.
—Megh Jasani
- I am grateful to God for giving me such good teachers. They are always willing to help me or any student when we have a doubt. My teachers are hard-working and use technology to teach students better.
—Pranshu Patel
- I think teachers are my second parents and school is my second home. Even if students misbehave, teachers are always ready to help and support them.
—Khyati Patel
- Every child desires to have a well-wisher and my teacher is one. Teachers in my school do a lot of work – make work sheets, presentations, plan activities besides teaching. A special mention of my sports teachers who train students to play each game perfectly.
—Zeal Prajapati
- I am thankful to my teachers from the bottom of my heart. They have taught me what is right and what it wrong.
—Dhruv Khausan
- I have learnt new things and new subjects from my teachers. Teachers are never angry, even if they have to explain several times to make me understand a topic.
—Malav Shah
- Teachers are more like my friends. They help me many ways whether in studies of some personal matter. I can approach them any time without hesitation.
—Tanushka Shah
- I am thankful to my teachers who have helped me throughout the year. They help me with work sheets and printed notes so that I understand topics easily.
—Raj Desai
- In this huge wide world, there are many paths, but it is only our teachers who will guide us to the right path. We all students should be thankful to our teachers for that. They are our parents in school and they never let us go home with a problem in our mind. We must respect them and pay attention to they teach. It takes a big heart to shape little minds.
—Aryan Kalra
- For me, teachers are like my parents. They always teach me good things. Whenever I face any difficulty in my life, they help me. They always show me the right path.
—Abhinav Kumar
- I am lucky to have teachers who understand me. All the teachers in my school are very good. They are always ready to solve my problems.
—Parth Srivastava
- I am very grateful to my teachers for helping and guiding me to become a good human being. My teachers are always there whenever I need help.
—Vatsala Singh
- I am very lucky to have such great teachers. They teach so well that I understand concepts easily. Sometimes, they teach through activities or games or with different things. I show my gratitude to them by greeting them every morning, keeping the class quiet and by carrying books for them.
—Aagya Charan
- My teachers always take time out to solve my doubts. My teachers are like my parents and God to me. They never think of themselves. Even when they are sick, they come to school so that students do not miss studies. My whole life will not be enough to show my gratitude towards them.
—Hiya Singal
- I am very lucky and blessed to have such wonderful teachers. I joined the school recently, but I could adjust to the new environment within a few days because of my 'Gurus'. They helped me a lot in my first week in the school. Thank you, teachers, for teaching me the right things and keeping me from the wrong. I shall be grateful to you all my life.
—Palchhin Shah
- I have a special bond with my teachers. I am sure, every student in my class must be feeling the same. Our teachers are like that. They make every student feel special. I have learnt many new things from my teachers. They have shown me the right path. They have helped me to choose the right subject for class 9.
—Maahi Dadlani
- I am very grateful to my teachers who always help students when they are in difficulty. They are always ready to solve my problems. They point out my mistakes, if I am wrong and show me the right things.
—Mahek Shah
- I am grateful to my teachers for giving me helping hand and taking me to the right path. All students should show gratitude towards their teachers, for we cannot gain knowledge without them.
—Dhruvi Thakkar
- I know that every student in my class has disturbed the teachers at some time or the other. But our teachers are so good that they clear our doubts in spite of knowing that we did not pay attention in the first place. We, students should understand that we must respect teachers and pay attention to them.
—Tamanna Sharma
- I am thankful to all the teachers who have helped me in each and every difficulty that I have faced in my life. I am very grateful to the teachers who encouraged and supported me in my hard times.
—Bhaskar Chatterjee
- My teachers are my role models. They are like my parents in school. They help me overcome my problems and solve my difficulties. I shall always be grateful to them.
—Vidhi Patel
- Some years ago, I was nothing. But due to the education given by my teachers, I can now reason and understand things. My teachers have always taught me well and cleared all my doubts.
—Arnav Goyal

Hitarth's New Division Method

Hitarth Ajay Singhania, an unassuming, quiet, little boy, aged merely 9 years and studying in Grade 4 at Anand Niketan Satellite Campus, Ahmedabad, Gujarat, has left us all awestruck by devising a new method of Division.

A shy, soft spoken, Hitarth has been a curious and sincere student right from a young age.

'He always preferred to sit and engage in silent activities, all by himself. Hitarth has never been to any tuitions. As her mother guides him in studies, she discovered her method when he was doing his homework.

When she asked him how he invented this, he replied that it came into his mind. I did not even realize that since one year, he had been working out sums on division using his own method, says his mother, Mrs. Namrata Singhania.

'Hitarth's method of



division is not only simple, but extremely innovative which has made division of numbers very easy and faster. He can divide any number of digits 8-9 with any given number easily. It is completely indigenous and he came up with his method entirely on his own. It is quite interesting to see him dabble with numbers and play around with comfortably, shares his father, Mr. Ajay Singhania.

Hitarth is an extremely responsible and focused student.

At an age when Mathematics as a subject seems like a burden to most students, Hitarth is at ease with numbers. The method devised by him is very simple with repetitive steps, easily understood by all students.

'Hitarth's name has entered

What is the innovation that you have done in Math's?

I have devised a new method of division.

How did you get the idea to do this innovation?

With focus on concept and practice it came into my mind naturally.

Can you describe your method in detail?

I use the multiple of divider to solve division

What all did you achieve by doing this innovation?

I was appreciated in my school. I entered my name in India book of records and received medal and certificate, was appreciated by education minister of West Bengal Mr. Partha Chatterjee and have applied for Guinness Book of World Records. My article even came in newspapers. I feel happy on seeing my parents being proud.

What were your parents, School & Friend's reactions?

They all feel very proud and happy. All the friends congratulated me and asked about the method. My school teachers, directors were surprised.

Are you thinking of further developing the method?

Yes. I want to develop some more method. Numbers are my friends and I love to play numbers.

into the Indian book of records at this young age and we are all very proud of him. Ms. Nashy Chauhan, Director, Anand Niketan Group of Schools has also appreciated him for his caliber. Not only has this even Mr. Partha Chatterjee, education minister of West Bengal also encouraged him by calling him as an

"Asset of Nation". His parents Ajay Singhania and Namrata singhania says: we hope that concerned education department recognized his achievement and do the needful to further brighten his future.

Hitarth Ajay Singhania
Class, 4 Robins
Anand Niketan school satellite

Vasant Panchami Celebration at Various Schools



Tripada English School



CCIS S G Campus



Madhav International School



CCIS Green Campus

Chess Tournament Organized By The Open Page In Association With Abhinam Chess Academy

Around 250 chess lovers and little chess masters from 40 different schools participated in the School Chess Championship organized by Abhinam Chess Academy and The Open Page. The tournament was spread across two days 25th & 26th January 2020.

Chess tournament was spread over 2 days with different categories participating on each day. Those two days were filled with the atmosphere of enthusiasm, winning spirit and love for the game. The emotions of all the players were charged up. The parents of the players gave their valuable presence to motivate their children. The Prizes were awarded by

Mr. Chandresh Lodhiya (Managing Director Anala Outdoors), Ms. Pratiksha Parikh (Academic Director Tripada Group of Schools), Ms. Nipa Shukla (CEO The Open Page).

We are highly thankful to Tripada International School for providing the venue, Monginis Ahmedabad, for sponsoring delicious Cupcakes. We also thank all the students' participants and parents in making this event a grand success. It was a great weekend for the winners, who took away the trophy, and participants who took away a great lesson and a vow to play and win the next tournament.



25th January Group A

K.G. – 3rd Std

25th January Group B

4th Std – 5th Std

26th January Group C

6th Std – 7th Std

26th January Group D

8th Std – 12th Std

55 individual Prizes and 4 School Prizes were given out to participants

Group Prizes Winner

GROUP 1

Anand Niketan Satellite School

Champion Winner for group 1 - KIAN SHAH

GROUP 2

Udgam School For Children

Champion Winner for group 2 - JVAL PATEL

GROUP 3

Udgam School For Children

Champion Winner for group 3 - VAIBHAVI RANADAY

GROUP 4

Saint Kabir School Navrangpura

Champion Winner for group 4 - URVI PARIKH



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Ingredients:

- 500ml milk
- 200gm condensed milk
- 4 tblsp bread crumbs
- Nuts of your choice
- 1/2 tsp cardamom powder
- Rose petals to garnish

Method:

- 1) Boil milk in a non-stick pan.
- 2) Add condensed milk and keep stirring continuously.
- 3) Add bread crumbs and continue stirring till milk thickens.
- 4) Add cardamom powder and nuts
- 5) Pour in a serving bowl and garnish with rose petals.
- 6) Serve hot or cold with or without other sweets like jalebi, gulabjamun etc.



A DELICIOUS RECIPE BY
ESTHER SAMUEL

Esther Samuel, A complete foodie who likes to experiment with food and is determined to make cooking a very interesting chore of one's life.



Peanut Butter Granola Pinwheels

Ingredients:

- 4 tablespoons creamy peanut butter
- 2 flour tortillas (8 inches)
- 2 teaspoons honey
- 1/2 cup granola without raisins

Directions

- Spread peanut butter over each tortilla; drizzle with honey and sprinkle with granola. Roll up; cut into slices.

QUIZ

1. Can you name the seven dwarfs of Snow White?
2. Trout, carp and, barracuda are names of what?
3. What grows quicker—hair or toenails?
4. Which is the tallest mountain in the world?
5. Which Saint's Day is celebrated on 14th February?
6. Which famous children's book has two characters named Tweedledum and Tweedledee?
7. Which planet is known as the Red Planet?
8. Place these shapes in order of how many sides they have—square, triangle, octagon, and hexagon?
9. Which of the following is not a metal: gold, resin, glass?
10. Which is the largest plateau in the world?

WINNER FOR LAST QUIZ

Harshi Amlani, Std 5th B, Airport School
Archana kawlani, Std 5th B, Airport School
Kanchi Pandya, Std 4th G, Udgam School

Send your answer to openpageyrc@gmail.com. Names of the Winners would be announced in the next issue



DRY ERASE

Materials:

- A glass plate, bowl, or picture frame
- Dry erase marker
- Water

Instructions:

1. Draw a simple picture on the glass. A stick figure is a good one to start with
2. Pour water onto the plate or into the bowl slowly to lift up the drawing
3. Swirl the water around to make the picture dance and move

How does it work?

The marker leaves behind mixture of pigments and a type of alcohol mixed together. The alcohol dissolves and the pigments are left behind as a solid. Glass is so smooth that the solid slides right off when it gets wet!

Five Essentials For Creating A Positive Classroom



MR. HIREN PARIKH
Academic Director
Sanskardham, Bopal



This article will highlight five tips to help you to start making small changes to your classroom routine that may create a more optimistic classroom setting

- completely unrelated to you and that it is not directed at you. When you master taking yourself out of the equation, you will find it a lot easier to be less judgmental and see things from both points of view. You will also be more able to recognize when a student is distressed. All of these will make the situation a lot less threatening and easier to solve.
3. Adopt humor instead of sarcasm. The ability to laugh at yourself will show to your students that you are human and will help them to feel more comfortable around you. If you sense a situation developing that is potentially "harmful" or "difficult", then you may find that a small dose of humor will help to diffuse the tension. On the other hand, sarcasm encourages any existing tension and can often make situations more difficult. It can also cause hurt to your students. However, something you may have learned already is that your students will be far more adept and quick at sarcasm than you are, so it may be a wise ideatorty and banish it from your class room permanently.
4. Convey expertise, confidence, and genuine interest in what your students and fellow teachers are saying. Even if you don't feel confident, fake it and you will be surprised at how well people believeit.
5. It is essential that you learn to control your emotions and anger and you will find controlling your class a lot easier. Practice disciplining your emotions, body language, facial expressions and tone of voice, as well as your choice of words. Let students who cause disruptions have a bit of to and fro movements to avoid any further physical or emotional confrontation.

As you handle various aspects of your classroom, you will start to notice slow changes beginning to have their effect on your student's and the quality of your teaching. Establishing a positive environment within your classroom is not something that will happen straight away.

This often involves trial and error and the slight adjustment of your reaction to a situation. This article will highlight five tips to help you to start making small changes to your classroom routine that may create a more optimistic classroom setting.

1. Keep things simple. Establish ground rules from the very beginning of the semester and make it very clear to your class. Tell the students that keeping and abiding by the rules will enhance their personal development both personally and in their school life. A few simple posted where they can be reinforced affirmatively and have the most effect will make any uncomfortable situations more impersonal and more readily acceptable. Stick a list of your simple rules up in your classroom where everyone can see it. Any general school rules should also be up there too. Everyone now and then, review these rules, especially if you feel trouble brewing. Make sure that these rules are worked into yourdaily lesson plans.
2. Stop taking things personally. Whenever a student displays a bad attitude or behavior or uses foul language, remember that it is





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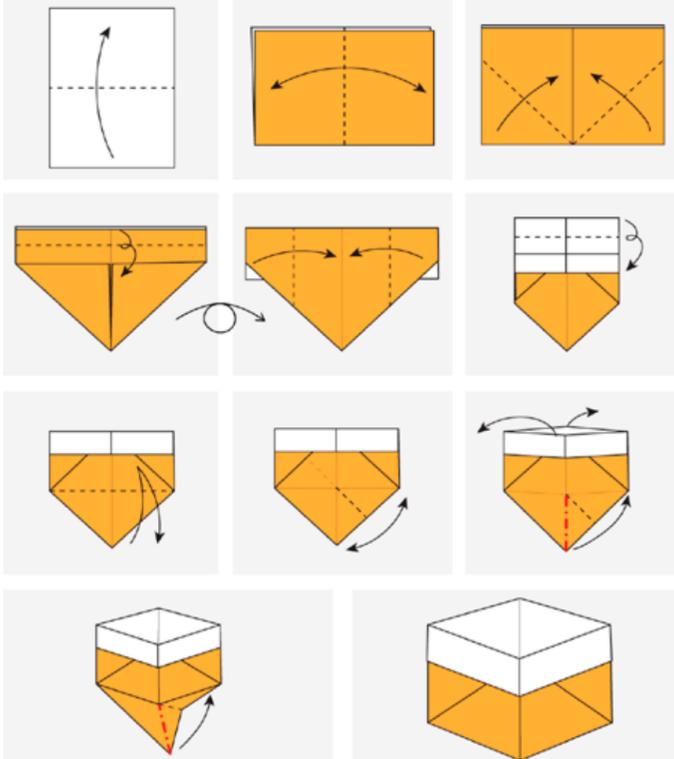


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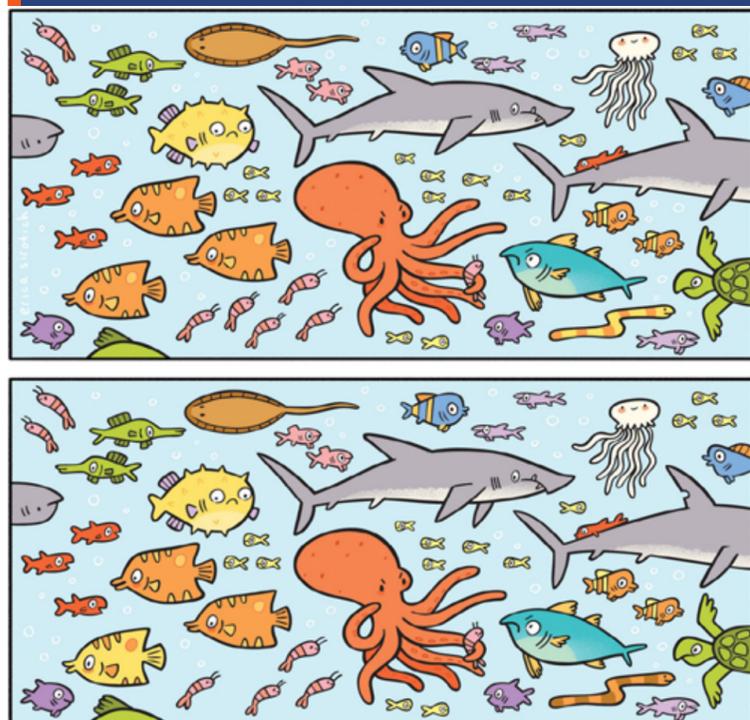
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	7			8			6
			1	3		6	2
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6				2			3
		7			1		4
8	9			6	5	1	7

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ORIGAMI



FIND THE DIFFERENCE



**JASPRIT
BUMRAH**

OVERS	MDNS	RUNS	WKTS
4	1	12	3

PVC Major Shaitan Singh Bhati



Born	1 December 1924 Jodhpur State, India
Died	18 November 1962 (aged 37) Rezang La, Jammu and Kashmir
Allegiance	Republic of India
Service/branch	Indian Army
Years of service	1949–1962
Rank	Major
Service number	IC-6400
Unit	13 KUMAON
Battles/wars	Ethnic conflict in Nagaland 1961 Indian annexation of Goa Sino-Indian War Battle of Rezang La
Awards	Param Vir Chakra
Spouse(s)	Shagun Kanwar



Major Shaitan Singh was commanding a company of an infantry battalion deployed at Rezang La in the Chusul sector at a height of about 17,000 feet. The locality was isolated from the main defended sector and consisted of five platoon-defended position. On 18 November 1962, the Chinese forces subjected the company position to heavy artillery, mortar and small arms fire and attacked it in overwhelming strength in several successive waves. Against heavy odds, our troops beat back successive waves of enemy attack. During the action, Major Shaitan Singh dominated the scene of operations and moved at great personal risk from one platoon post to another sustaining the morale of his hard-pressed platoon posts. While doing so he was seriously wounded but continued to encourage and lead his men, who, following his brave example fought gallantly and inflicted heavy casualties on the enemy. For every man lost to us, the enemy lost four or five. When Major Shaitan Singh fell disabled by wounds in his arms and abdomen, his men tried to evacuate him but they came under heavy machine-gun fire. Major Shaitan Singh then ordered his men to leave him to his fate in order to save their lives. Major Shaitan Singh's supreme courage, leadership and exemplary devotion to duty inspired his company to fight almost to the last man.

PVC Company Quartermaster Havaldar Abdul Hamid



Born	1 July 1933 Dhamupur, Wife Rasulan biwi Ghazipur district, United Provinces, British India
Died	10 September 1965 (aged 32) Chima, Khem Karan, Tarn Taran district, Punjab, India
Allegiance	India
Service/branch	Indian Army
Years of service	1954–1965
Rank	Company Quartermaster Havildar
Unit	4 Grenadiers
Battles/wars	Sino-Indian War Indo-Pakistani War of 1965 Battle of Asal Uttar
Awards	Param Vir Chakra Samar Seva Medal Raksha Medal Sainya Seva Medal



At 0800 hours on 10 September 1965 Pakistan forces launched an attack with a regiment of Patton tanks on a vital area ahead of village Cheema on the Bhikkiwind road in the Khem Karan Sector. Intense artillery shelling preceded the attack. The enemy tanks penetrated the forward position by 0900 hours. Realising the grave situation, Company Quartermaster Havildar Abdul Hamid who was commander of a RCL gun detachment moved out to a flanking position with his gun mounted on a jeep, under intense enemy shelling and tank fire. Taking an advantageous position, he knocked out the leading enemy tank and then swiftly changing his position, he sent another tank up in flames. By this time the enemy tanks in the area spotted him and brought his jeep under concentrated machine-gun and high explosive fire. Undeterred, Company Quartermaster Havildar Abdul Hamid kept on firing on yet another enemy tank with his recoilless gun. While doing so, he was mortally wounded by an enemy high explosive shell. Havildar Abdul Hamid's brave action inspired his comrades to put up a gallant fight and to beat back the heavy tank assault by the enemy. His complete disregard for his personal safety during the operation and his sustained acts of bravery in the face of constant enemy fire were a shining example not only to his unit but also to the whole division and were in the highest traditions of the Indian Army.

Important Dates and Days of February 2020

Feb 2: World Wetlands Day



Since 1997 this date is celebrated every year marking the date of the adoption of Ramsar Convention on wetland on February 02, 1971, in the city of Ramsar, Iran. It aims at drawing attention to the relevance of promoting biodiversity conservation and sustainable use of natural resources in such an important ecosystem.

Feb 4: World Cancer Day



World Cancer Day, organized by the Union for International Cancer Control (UICC) and celebrated each year on 4 February, is an opportunity to rally the international community to end the injustice of preventable suffering from cancer.

Feb 5: Safer Internet Day



From cyberbullying to social networking, each year Safer Internet Day aims to raise awareness of emerging online issues and chooses a topic reflecting current concerns. Insafe is a European network of Safer Internet Centres (SICs). However, Safer Internet Day is also celebrated outside Europe.

Feb 10: National De-worming Day



NDD (first round) is conducted on February 10 each year. Bi-annual round of deworming is recommended in the States where prevalence of STH infection is more than 20% and annual round in other (less than 20% prevalence) states.

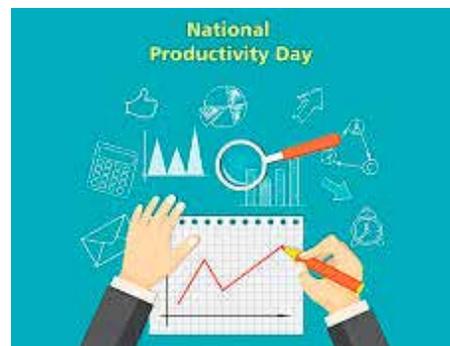
Feb 11: International Day of Women and Girls in Science



Science and gender equality are both vital for the achievement of the internationally agreed development goals, including the 2030 Agenda for Sustainable Development. Over the past 15 years, the global community has made a lot of effort in inspiring and engaging women and girls in science. Yet women and girls continue to be excluded from participating fully in science. At present, less

than 30 per cent of researchers worldwide are women. According to UNESCO data (2014 - 2016), only around 30 per cent of all female students select STEM-related fields in higher education. Globally, female students' enrolment is particularly low in ICT (3 per cent), natural science, mathematics and statistics (5 per cent) and in engineering, manufacturing and construction (8 per cent).

Feb 12: National Productivity Day



NPC observes foundation day as Productivity Day and the National Productivity Week from February 12-18, 2019. This year theme represents a unique opportunity for circular business model for Make à Use à Return. The 23 Local Productivity Councils spread across the country are also organizing workshops.

Feb 13: National Women's Day



National Women's Day of India was observed on 13 February 2014. This day is observed on the date of birth of India's first women governor Sarojini Naidu. Sarojini Naidu was born on 13 February 1879 and died on 2 March 1949. This was the 135th birth anniversary of Sarojini Naidu.

Feb 13: World Radio Day



World Radio Day celebrates the power of radio and aims to bring together broadcasters from around the world to share knowledge and reach out to new audiences - from major networks to small community stations

Feb 14: Valentine Day



A pagan fertility ritual was held in February each year and the Pope abolished this festival and proclaimed 14 February Saint Valentine's Day, thus establishing this feast day on the Catholic Calendar of Saints. The poet Chaucer in the Middle Ages was the first to link St Valentine with romantic love.

Feb 20: World Day of Social Justice



Social justice is an underlying principle for peaceful and prosperous coexistence within and among nations. We uphold the principles of social justice when we promote gender equality or the rights of indigenous peoples and migrants. We advance social justice when we remove barriers that people face because of gender, age, race, ethnicity, religion, culture or disability.

Feb 21: International Mother Language Day



The United Nations' (UN) International Mother Language Day annually celebrates language diversity and variety worldwide on February 21. It also remembers events such as the killing of four students on February 21, 1952, because they campaigned to officially use their mother language, Bengali, in Bangladesh

Feb 24: Central Excise Day



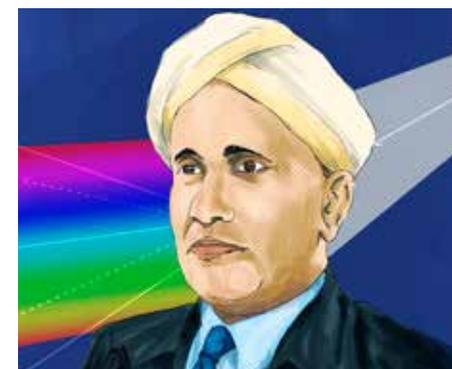
Central Excise Day is celebrated on February 24 to mark the enactment of the Central Excise and Salt Act in 1944. The holiday aims to honor the contribution of the Central Board of Excise and Customs to the country's economy and to recognize the hard work and accomplishments of its employees.

Feb 27: World NGO Day



World NGO Day is an international calendar day annually observed on the 27th of February. World NGO Day aims to inspire people to become more actively involved within NGOs (Charities, NPOs, CSOs) and encourage a greater symbiosis between NGOs and both the public and private sector.

Feb 28: National Science Day



National Science Day is celebrated every year on February 28. National Science Day is celebrated to commemorate discovery of the 'Raman Effect', which led to Indian scientist Sir Chandrasekhara Venkata Raman or CV Raman winning the Noble Prize in Physics in 1930

Feb 28/29: Rare Disease Day



Rare Disease Day takes place on the last day of February each year. The main objective of Rare Disease Day is to raise awareness amongst the general public and decision-makers about rare diseases and their impact on patients' lives.

LAST ACTION HERO



ROHIT SHARMA

THE HITMAN SHOW

HOW THE SUPER-OVER PANNED OUT

New Zealand innings

Bowler: Jasprit Bumrah. **Openers:** Kane Williamson and Martin Guptill **1st ball:** Williamson – 1 run, swung away to deep mid-wicket **2nd ball:** Guptill – 1 run, full toss mistimed to long-off **3rd ball:** Williamson – 6 runs, walks across and flicks over deep backward square-leg, taking from outside off **4th ball:** Williamson – 4 runs, full toss driven wide of long-off **5th ball:** Williamson – 1 run, bye. Misses huge swipe off slower ball, Guptill scrambles through **6th ball:** Guptill – 4 runs, full toss hammered wide of mid-on

India innings

Bowler: Tim Southee. **Openers:** Rohit Sharma and KL Rahul **1st ball:** Rohit – 2 runs, slugged to deep mid-wicket. Takes on Colin de Grandhomme's arm and makes it back for second **2nd ball:** Rohit – 1 run, full toss, mistimed to square-leg **3rd ball:** Rahul – 4 runs, walks across and swings full toss behind square from outside off **4th ball:** Rahul – 1 run, slugged down the ground **5th ball:** Rohit – 6 over wide long-on **6th ball:** Rohit – 6 again, this time over long-off

for a sparkling 95. Tim Seifert failed to make contact with the next two, a scrambled bye levelling the scores with Taylor on strike to the last ball. Shami hit a fuller length and Taylor dragged the ball on to his stumps; the Indians believed the game had ended in a tie, only to be informed by the umpires that there would be a Super Over. Despite going for 45 in his four overs, Bumrah was the obvious bowling choice but Williamson and Guptill amassed 17. Tim Southee held up his end of the bargain at the start with only eight runs off the first four deliveries when Rohit provided the final, stunning twist with midnight approaching rapidly.

Sharma finishes off in style

A six over wide long-on, then a six over long-off, and India were home and dry.

As Rohit sank into the embrace of his ecstatic teammates, Williamson stoically disappeared into the dressing-room. Not one of the 6,311 spectators at the venue couldn't but feel for him; Williamson himself couldn't have helped but recall the ill-fated World Cup final against England at Lord's some six and a half months back.

Intriguingly, despite having been part of several Super Over finishes in the IPL, Rohit revealed that it was the first time he had batted in the deciding over. "I had no idea what to expect, how to start the Super Over, whether to take a single first ball or just go for it," he admitted. "Everything was packed, all my stuff was inside my bag. It literally took me five minutes to find my abdomen guard. In the end, it was a good result for us as a team but I

feel for New Zealand. To be on the losing side, I know how disappointing it will be for them."

It's fun, but...

Williamson put on a brave face, just like he did when the World Cup final ended with the Super Over too tied and England lifted the crown on boundary countback. "Super overs aren't really our friends. In my opinion, we shouldn't have them!" he joked. "(But) it's good fun. We had a full house at midnight, which is really cool. I am probably not the person to ask, came second in the Super Over tonight like a few other times so not ideal, but people have enjoyed that." For the record, New Zealand have won only once in five tries when Southee has bowled the Super Over.

In regulation play, India rode on Rohit's belligerence and his 89-run opening stand with Rahul to lay a strong platform, then lost their way as the decision to promote Shivam Dube to No. 3 boomeranged and the momentum was sucked out of the innings. It needed Virat Kohli's enterprise to propel them to a solid total. Ravindra Jadeja had another excellent outing with the ball and Shardul Thakur was excellent as the bowling group tried to make up for Bumrah missing his lengths and for Williamson's storied radiance. The ground fielding left a lot to be desired and Jadeja dropped a catch – almost unheard of – but in the end, they emerged unscathed. Not so New Zealand, however, despite their admirable leader's remarkable master class.

Gujarat hold Parthiv back as they bank on the captain for the tricky chase against Vidarbha

Banking on the tactics?

With the target overshooting their estimate by a good 79 runs, Gujarat needed to think out-of-box thinking as they hoped to tackle defending champions Vidarbha on a tricky wicket at Lalbhai Contractor Stadium in Surat.

And when Samit Gohil and local boy Bhargav Merai came out to bat in the second innings, with Gujarat needing 179 to win the match, it was clear that Gujarat is banking heavily on the experience of Parthiv Patel to tide them over.

"No, no. It is just tactical," Gujarat coach Sairaj Bahutule told Mirror when asked why the skipper, who had tasked himself to open the innings in the first innings, did not open the innings.

The decision was based on the fact that how Parthiv had shed his natural attacking style, dropped anchor for his 60th First Class half ton that helped Gujarat scored 211 in the first innings.

"He has the experience and can handle the pressure. So, we thought that he will come late in the innings," Sairaj said.

Though he might not say in exact words, the decision also has underlined how others can cope with different pressures as Gujarat search for answers



to their batting woes. "It was an opportunity for us to see how the players react to situations. Rujul (Bhatt) was actually batting well (for his fighting 61-ball12). But he was unlucky with the way he got out," the coach said.

After a 25-run opening stand, Bhargav and Samit departed with just one run added to the tally. Young Kshitij Patel too could not do much.

However, the seasoned duo of Manprit and Rujul looked to shrug off the first innings disappointment as they dropped anchor to add 33 runs for the fourth wicket in 12 overs.

All eyes on Manprit

On the final day, all eyes will be on Manprit as he will be looking for something special to ease the burden on his shoulders.

A highly-rated middle-order batsman Manprit has not been able to recreate the magic of the yore that once took him to India A team. The 29-year-old needs no reminder for he was well aware that runs are somehow missing from his willow. While it will be too early to judge anything by his unbeaten 45-ball 27, but all is not lost for Manprit.

"I think it is time for him to deliver and I am sure he understands that," Sairaj rang the warning bell. "Of course, we have faith in him and he has a crucial role to play tomorrow (on the final day). I am hoping for him to come good," the former India international added.

Sairaj was well aware of the fact that they still need 105 runs to win the match with six wickets in hand.

"We have Parthiv, we have Chirag (Gandhi) still to come. Yes, we are very positive about the outcome," the coach added.

Fielding woes

Things could have been different had Gujarat showed better agility on the field. At 89 for four, Vidarbha was still in the grasp of the hosts. But old habits die hard.

"No, I will not blame the bowlers. The medium pacers had bowled their heart out and did a fantastic job," Sairaj said when asked if he disappointed with his bowlers after letting the rivals out of the clutch.

"I would say it was our fielding. There were few lapses in the field that helped Vidarbha build on that," the former leg-spinner added.

Vidarbha surely capitalised on that as an 82-run seventh wicket stand between wicket-keeper Akshay Wadkar (87, 228, 15x4) and allrounder Aditya Sarwate (53, 73b, 9x4) helped the visitors swing the balance in their favour.

Another 38-run stand between Akshay and Lalit Yadav (27, 57b, 3x4) put Vidarbha on a strong wicket and left hosts in quandary.

BRIEF SCORE: Vidarbha 142 & 247 (A Wadkar 87, A Sarwate 53, F Fazal 45; R Kalaria 4/62, C Gaja 3/68, A Nagwaswala 2/59) vs Gujarat 211 & 74/4 (M Juneja 27; A Thakare 4/17)

Rahul to the fore

Rahul Bhutra shone with the bat for Patel Club as they brushed aside Udit Cricket Club (UCC) with a mammoth 207-run win in CBCA Minor cricket tournament held at Royal cricket ground on Monday.

Batting first, Rahul top-scored for Patel Club with run-a-ball 52 as they posted a massive total of 284

for eight in 40 overs. Satyaveer Chauhan too added 40-ball 44. For UCC, Abhishek Yadav took two wickets.

As they returned, UCC boys were restricted in 27.5 overs for 77 runs with Vishnoi Sharma (28-ball 29) topscoring for the team. For the winners, Dipen Talati scalped four wickets.

Big win for PCC

In another tie at V-9 cricket ground, Packers Cricket Club (PCC) recorded a 76-run win against Vaibhav Cricket Club (VCC).

Choosing to bat, PCC boys posted a total of 214 runs in 36.2 overs.



Pankaj Desai scored a 34-ball 45 and Parth Shah added 48-ball 39. Iqbal Hussain picked four wickets for VCC.

Returning, VCC were bowled out early in 26.4 overs for 138 runs.

Chris Wells scored a 39-ball 28 for the team. For PCC, Prashant Chavda scalped four wickets. UBI's collective

show

At Sunrise cricket ground, Union Bank of India (UBI) eased past Uday Cricket Club (UCC) with a sublime two-wicket win as they thrived on collective efforts.

Batting first, UCC posted 168 runs in 29.5 overs with Ravi Panchal top-scoring with 45-ball 43. Sanjay Jadhav too added 28-ball 38. Ajaysinh Yadav scalped four wickets for UBI while Jainam Shah added three.

UBI boys chased down the total in 29.4 overs with two wickets in hand. Rashmin Parikh (57-ball 55) and Hirav Trivedi (41-ball 43) top-scored for the team. For UCC, Kirit Sharma took two wickets.

Five of Vidyanagar School in Guj U-14 squad



It was a proud moment for Shree Vidyanagar School (SVS) as five youngsters from the school were named in the Gujarat Cricket Association Under-14 squad for the West Zone tournament.

Gautam Bambhaniya, Meet Patel, Parth Khatri, Luv Padhiyar and Kavyan Patel continued a tradition that has been the hallmark at Shree Vidyanagar School (SVS).

"As far as I remember, it was for the first time that five students from one school have been part of the Gujarat under-14 team. But I am really proud of these kids, who have continued a tradition that we have," SVS managing trustee Vivek Kapasi told Mirror.

"It was double joy for as we have become the under-14 champion this year and all these boys that performed in the tournament."

Talking about his wards, Vivek said,

"Kavyan is a young fast bowler while Parth plays as a bowling allrounder. Luv is a middle-order bat with lots of runs under his belt while Meet is a leg-spinner.

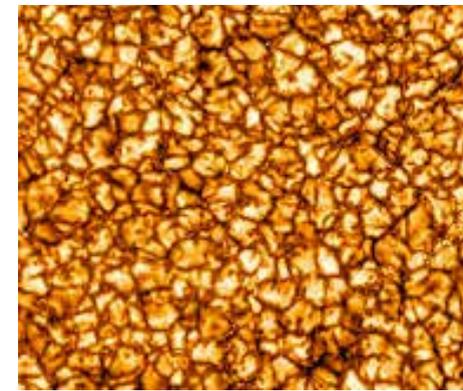
"But it is Gautam who won our hearts. You will be surprised that he is actually from an underprivileged background and his parents are from Surendranagar.

He came through the GCA selection process before we picked him up. We decided to support him in every way we can. But what impressed us is his mental toughness as it is not easy to stay without your parents at such a young age."

Vivek also added that that school's rich cricket history also helped them.

"I think it is this rich legacy rubbed off. Whenever they have time, the players come in and share their experience which also helps the boys prepare for the bigger challenges," he added.

New telescope captures most detailed pictures yet of Sun



The Sun's turbulent surface has been revealed in unprecedented detail in the first observations by a newly operational telescope in the US, which scientists say will play a critical role in the better understanding of our star, as well as the space weather. The Inouye Solar Telescope in Hawaii will enable a new era of solar science, and a leap forward in understanding the Sun and its impacts on our planet, according to the researcher from the National Science Foundation (NSF) in the US.

Budget 2020: Soon, take just 1 exam for all non-gazetted govt posts



In a major announcement for the youth, Finance Minister Nirmala Sitharaman in her budget speech said they would soon be required to take just one exam to apply for non-gazetted government posts. Nirmala Sitharaman said the government has decided to set up a National Recruitment Agency that will be tasked to conduct a common online eligibility tests for recruitment to non-gazetted posts. Explaining the rationale for this, Nirmala Sitharaman said at present the youth have to take several exams for different government posts and this incurs a heavy burden on them as they have to spend considerable time and money on them.

For every rupee in govt kitty, 64 paise come from taxes



For every rupee in the government coffers, 64 paise will come from direct and indirect taxes, while states' share of taxes and duties is the single-largest expense head accounting for 20 per cent of the total spending, Budget documents showed. According to the Union Budget 2020-21 presented in Parliament by Finance Minister Nirmala Sitharaman on Saturday, goods and services tax collections will contribute 18 paise in every rupee revenue.

After 8-day construction, China hospital ready to receive coronavirus patients



Built in just eight days, a Chinese hospital dedicated to treat people infected with a new coronavirus in Wuhan, the epicentre of the outbreak. The hospital, Huoshenshan, or "fire-god mountain", is designed to have 1,000 beds for patients with confirmed infections to ease a shortage of beds elsewhere in the city as the virus spreads. The epidemic has killed 361 people and infected more than 17,000 in China and at least 171 overseas. There are more than 11,000 cases in Hubei province, where Wuhan is located, state television.

Ukraine to seek larger compensation for citizens killed in plane shutdown in Iran



Ukraine's President Volodymyr Zelenskyy said on Sunday that Kiev was not satisfied with a size of compensation Iran had offered to families of Ukrainians killed in the downing of a plane near Tehran last month and would seek larger payments. "As for the Iranian side, they immediately offered us \$80,000 for each family. It is too small. We will press for a larger amount," Volodymyr Zelenskyy told Ukrainian "1+1" TV.

Coronavirus outbreak: Bangladesh suspends visa-on-arrival for Chinese nationals



Bangladesh has temporarily suspended its visa-on-arrival provision for Chinese nationals in view of the outbreak of deadly coronavirus that claimed lives of more than 300 people and infected 14,562 others spread to 25 countries. "We have decided to stop issuing on-arrival visa for the Chinese nationals temporarily but they can enter the country by obtaining visa (from Bangladesh mission in Beijing) after producing medical certificate to prove that they are not carrying the (coronavirus) virus," Bangladesh Foreign Minister AK Abdul Momen said at a press briefing in Dhaka.

TMC moves 6 amendments to president's speech, question silence on J&K, CAA, economic slowdown



The Trinamool Congress (TMC) has moved amendments to the president's address delivered on Friday at the beginning of the budget session, raising questions on his "silence" on issues relating to Citizenship (Amendment) Act (CAA) protests, economic slowdown and Kashmir clampdown. The move has opened the doors of discussion on the CAA in Parliament, which has witnessed nationwide protests. President Ram Nath Kovind on Friday hailed the CAA as "historic" in his address to the joint sitting of both houses of Parliament, prompting protests by some opposition members.

Anti-CAA resolution to be moved in Puducherry Assembly



A resolution opposing the Citizenship Amendment Act would be moved in the Assembly, Puducherry Chief Minister V Narayanasamy said on Sunday while dubbing the legislation as "ill-conceived". The Congress-ruled Puducherry would be the fifth dispensation to adopt the course after the West Bengal, Kerala, Punjab and Rajasthan assemblies passed resolutions against the amended citizenship law. Launching a 'massive' signature campaign against the CAA, the National Register of Citizens and the National Population Register in the union territory, Narayanasamy said, "We will never give room for the CAA as it is ill-conceived and injurious."

BIRTHDAY WISHES

JACKIE SHROFF

01st FEBRUARY 1957

Jai Kishan Kakubhai "Jackie" Shroff (born 1 February 1957) is an Indian actor. He has been in the Hindi cinema (Bollywood) industry for almost four decades and as of 2017 has appeared in more than 220 films in thirteen languages (Hindi, Konkani, Kannada, Marathi, Oriya, Punjabi, Bengali, Malayalam, Tamil, Telugu, Bhojpuri, Gujarati, and English language). He has won four Filmfare Awards among other accolades. He has also appeared in several successful short films.



CRISTIANO RONALDO

05th FEBRUARY 1985

Cristiano Ronaldo dos Santos Aveiro (born 5 February 1985) is a Portuguese professional footballer who plays as a forward for Serie A club Juventus and captains the Portugal national team. Often considered the best player in the world and widely regarded as one of the greatest players of all time, Ronaldo has won five Ballons d'Or and four European Golden Shoes, both of which are records for a European player. He has won 29 trophies in his career, including six league titles, five UEFA Champions Leagues, one UEFA European Championship.



ABRAHAM LINCOLN

12th FEBRUARY 1809

Abraham Lincoln (February 12, 1809 – April 15, 1865) was an American statesman and lawyer who served as the 16th president of the United States from March 1861 until his assassination in April 1865. Lincoln led the nation through the American Civil War, its bloodiest war and its greatest moral, constitutional, and political crisis. He preserved the Union, abolished slavery, strengthened the federal government, and modernized the U.S. economy



SAROJINI NAIDU

13th FEBRUARY 1879

Sarojini Naidu (13 February 1879 – 2 March 1949) was an Indian political activist and poet. A proponent of civil rights, women's emancipation, and anti-imperialistic ideas, she was an important figure in India's struggle for independence from colonial rule. Naidu's work as a poet earned her the sobriquet of Nightingale of India. Born in a Bengali family in Hyderabad, Naidu was educated in Chennai, London and Cambridge.

TIME FOR AN ADVENTURE!



CHANDRESH LODHIYA
Managing Director,
Anala Outdoors



An adventure is an exciting and challenging experience that is typically a bold undertaking. Adventure is totally different from our normal and ordinary life. An adventure involves challenging ourselves or trying out something new in life.

Adventures are often undertaken to create psychological stimulation or in order to achieve a greater goal such as the pursuit of knowledge that can only be obtained with a calculated risk. For some people, adventure becomes a major pursuit in itself. According to adventurer André Malraux, in his *La Condition Humaine* (1933), "If a man is not ready to try adventure in his life, where is his dignity?" Similarly, Helen Keller stated that "Life is either a daring adventure or nothing".

Outdoor adventurous activities are typically undertaken for the purposes of recreation and excitement. Many of the schools offer adventure activities to their students for confidence building and for an overall development of their students. These activities are often clubbed with Nature Camps.

A few examples of adventure activities are mountaineering, trekking, bungee jumping, mountain biking, cycling, scuba diving, rafting, kayaking, zipline, paragliding, hiking, canoeing, sand boarding, caving and rock climbing. Let us learn about a few of these activities in detail.

Rock climbing: This is an adventure activity in which participants climb up, down or across natural rock formations or artificial rock walls. The most basic technique of Rock climbing is three point contact climbing.

Rappelling: This word is derived from the French word *rappeller* meaning "to recall" or "to pull through". Also known as *Abseiling* which comes from a German word *abseilen* meaning "to rope down"? Rappelling is the most common technique of descending off a steep vertical surface, such as a rock face, using a rope.

Jumaring: This is a technique used in directly ascending a rope, or for facilitating protection with a fixed rope when climbing on very steep mountain terrain. This is done with a technical device called *Jumar* (ascender). *Jumar* was named after its inventors Adolph Jusi and Walter Marti.

River Crossing: Mountaineering conducted in mountainous terrain may often require crossing of swift flowing streams. Such crossings should not be taken lightly. The force of the flowing water is generally great and is most often underestimated. When rivers or streams must be crossed, there are a variety of

BENEFITS OF ADVENTURE ACTIVITIES

- They keep us extremely fit. Also help in burning calories and keeping the blood flow normal. They stretch the limits of our body gradually, which helps us become stronger and gain more stamina.
- They are a great way of having fun. Just like any other sport, they relax and rejuvenate one's mind.
- They provide us with new experiences. They give us an opportunity to live life to the fullest and escape from everyday routine. They give some thrill to our life and these experiences become great memories to cherish forever.
- They give a sense of achievement.
- They help build self-confidence. This in turn helps us take risks in work where sometimes, when needed, people are too timid to make hard decisions.
- They help get rid of monotonous life as well as frustration, stress, etc.
- They help in anger management and improve emotional well-being.
- They also help overcome fear and build strength, physical and mental endurance, will-power, responsibility etc.
- Adding to this, most adventure activities are held outdoors, this helps us connect with nature.

So dear friends, pack your bags and get ready for some exciting adventure activities this summer vacation. But join only a trusted and professional organisation that adheres to all the safety standards.

techniques a mountain leader may choose from, depending upon the type of stream, its width, speed of the current, and the depth of the water.

Zipline: This is more of a fun and amusement activity rather than adventure. A cable or rope is stretched between two points of different heights. A person starts from the higher point sliding downwards with the help of a harness, pulley and handle.

Burma Bridge: It is an entertaining activity for those wanting to try something new. The Burma Bridge consists of a long rope bridge that has been suspended at a height. One can take the adventurous walk across the bridge after wearing the safety gears.

Multi-vine Rope walk: Traverse a cable stretched from one tree to another using the suspended ropes hanging down. Due to the varying lengths of each rope and distance between each one, this challenge requires confidence and the desire to take steps with unknown consequences.

White water River Rafting: This is one of the most exciting adventurous activities. Many people do it just for the adrenaline rush. White Water River rafting is a recreational outdoor activity, which uses an inflatable raft to navigate a river or other body of water. This is often done on whitewater or different degrees of rough water. Dealing with risk and teamwork is a part and essence of the experience. This activity as an adventure sport has

become popular since the 1950s, evolving from individuals paddling 10 feet (3.0 m) to 14 feet (4.3 m) rafts with oars to multi-person rafts propelled by single-bladed paddles and steered by a river guide, or by the use of oars.

Kayaking: It is technique in which, a kayak (a light narrow canoe with a covering over the top) is used for moving across water. A kayak is a low-to-the-water, canoe-like boat in which the paddler sits facing forward, legs in front, using a double-bladed paddle to pull front-to-back on one side and then the other in rotation. Most White Water sit-in kayakers have closed decks, although sit-on-top and inflatable kayakers are growing in popularity as well.

Bridge Slithering: Also known as *Bridge abseiling*, it is an activity where one slides from a bridge with the help of a rope into the river. Very similar to rappelling but here the participant does not get any leg support and the landing is in water.

Cliff jumping: Means jumping off a cliff as a form of adventure. When done without equipment, it may be also known as *tomb stoning*. When performed with a parachute, it is known as *Base jumping*.

Trekking: It means a long journey to be undertaken on foot in areas where common means of transport are generally not available. It always refers to walking on trails and entails cross-country hiking or climbing. This has become the most

common adventure activity among students.

Mountain biking: The word biking is often mistaken for motor biking. Mountain biking is basically an adventure sport where one rides bicycles on rough and hilly terrains and usually off-roads. Mountain bikes are specially designed to enhance durability and performance on rough and hilly terrain. This activity enhances a participant's endurance, core strength and self-confidence. This adventure sport is gaining popularity in India owing to access to world class cycling gear in combination with the magnificent scenic hills of India.

Double rope crossing: Here, two ropes are tied on either side of a valley mostly on trees and the participant has to walk sideways on the lower rope while holding the upper rope for crossing over from one side to the other.

Valley crossing: This is an adventure activity that involves getting from one mountain to another across a valley using ropes, whose two ends are securely fastened on the two mountains. Participants then wear a harness and mount the ropes to traverse several feet above the ground. Unlike zipline, which is easier, valley crossing requires more efforts. The method is often used for crossing streams. **Scuba diving:** Scuba is the equipment used by divers which help them breathe underwater. It consists of one or two compressed air tanks strapped to the back and connected by a hose to a mouthpiece. Fins attached to the feet, help the diver in moving underwater. This is one the best ways for viewing marine life under water.

Bungee jumping: In this adventure, the participant is connected to a large elastic cord and then, is required to jump off from a great height. The cord stretches and the jumper flies upwards again as the cord recoils and continues to swing in the air until all the kinetic energy gradually disappears. This adventure requires a lot of courage and will power.

Paragliding: This is an adventure sport in which a wide canopy, like a parachute is attached to the person's body by a harness, enabling the glider to glide through the air after taking off. Paragliding relies upon the pressure difference created by air currents to stay aloft. Usually, a glider takes off from the top of a hill. It is very important to attempt this adventure with an authorised and trusted instructor.

Sir Chandrasekhara Venkata Raman

Birthday: November 7, 1888

Nationality: Indian

Famous: Physicists Indian Men

Died At Age: 82

Also Known As: Sir Chandrasekhara Venkata Raman

Born In: Tiruchirappalli, Madras Province

Famous As: Physicist

FAMILY

Spouse/Ex-: Lokasundari Ammal

Father: R. Chandrasekhara Iyer

Mother: Parvati Amma

Died On: November 21, 1970

Place Of Death: Bangalore, India

Discoveries/Inventions: Raman Effect



Childhood & Early Life

- He was born near a small village in Tiruchirappalli to R. Chandrasekhara Iyer and Parvathi Ammal. His father, initially a school teacher, became a lecturer in mathematics and physics in a college in Vishakhapatnam.
- Raman studied in St. Aloysius Anglo-Indian High School at Vishakhapatnam. He was a brilliant student and passed his matriculation examination when he was just 11. At the age of 13 he passed his F.A. examination (equivalent to today's intermediate examination) with a

scholarship.

- He joined the Presidency College in Madras in 1902 and received his B.A. in physics in 1904. He topped the exams and won a gold medal. Three years later, he earned his M.A. degree in 1907.

Career

- Though he was deeply interested in science, he appeared for the Financial Civil Service (FCS) examination at the insistence of his father. He topped the examination and went to Calcutta in 1907 to join the Indian Finance Department as Assistant Accountant

General.

- Still his heart was in scientific research and he began conducting research at the Indian Association for Cultivation of Sciences during his free time. His job was very hectic, yet he was so dedicated towards science that he often spent nights at research.
- Even though the facilities available at the association were very limited, it did not deter Raman at all who went on to publish his findings in leading international journals like 'Nature', 'The Philosophical Magazine', and 'Physics Review'. During this time, his research was basically in the areas of vibrations and acoustics.
- In 1917, he got the opportunity to join the University of Calcutta as the first Palit Professor of Physics. Raman happily resigned from his government post to take up this position though the new job paid much less than the previous one. Such was his dedication to science.
- In 1919, he was made the Honorary Secretary of the Indian Association for the Cultivation of Science, a post he held till 1933. He was very popular and many students gathered around him, attracted by his immense knowledge of science.
- During the late 1920s he experimented on the scattering of light by observing the behavior of monochromatic light which penetrated transparent materials and fell on a spectrograph. This led to the discovery of what came to be known as 'Raman Effect' which he presented at a meeting of scientists in 1928.
- He was invited by the Indian Insti-



tute of Science (IISc) Bangalore to become its Director. He accepted the post in 1933, becoming the first Indian to hold this post. He served as the director till 1937 though he continued as the head of the Physics Department till 1948.

- In 1948 he established the Raman Research Institute (RRI) in Bangalore for conducting scientific research in different fields of physics. He continued with his research in the institute till his death.

Major Works

- He is best known for discovering the 'Raman Effect', or the inelastic scattering of a photon. He showed through experimentation that when light traverses a transparent material, some of the deflected light changes in wavelength. This was a ground breaking discovery in early 20th century physics.

Awards & Achievements

- He won the 1930 Nobel Prize in Physics "for his work on the scattering of light and for the discovery of the Raman Effect", becoming the first Indian to win a Nobel Prize in the sciences.
- He was honored with the Bharat Ratna, India's highest civilian award, in 1954 in recognition of his invaluable contributions to the field of science.

ANALA

PROGRAMMES FROM
MARCH TO JULY
2020



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Website: www.analaoutdoors.com

Himalayan Camp-V
TIRTHAN
5 BATCHES
8 DAYS

White Water Rafting
JAYALGARH
11 BATCHES
5/7 DAYS

NEW
Treking Camp
CHOPTA
TUNGNATH-DEORIATAL
1 BATCH
6 DAYS

Aravali Camp
KUMBHALGARH
1 BATCH
3 DAYS

Jeep Safari
LADAKH WITH
NUBRA VALLEY
2 BATCHES
10/14 DAYS

Himalayan Treks
HIMALAYAN
ADVENTURES

Himalayan Camp-I
MANALI
14 BATCHES
9/11 DAYS

Himalayan Camp-II
DALHOUSIE
6 BATCHES
9 DAYS

Himalayan Camp-III
SHIMLA
5 BATCHES
8 DAYS

Himalayan Camp-IV
DHARAMSHALA
2 BATCHES
7 DAYS