

How to crack CBSE mathematics

The entire academic year is divided into two terms this year, and the board will administer two tests, one at the end of each term, for both classes 10 and 12. The news appeared to be a cruel ordeal for the students and their parents, but it turned out to be a blessing in disguise for everyone.

Because of the ongoing pandemic scenario, this decision was made in order to decrease the strain on students. As part of the new CBSE exam pattern, each term exam will cover 50 percent of the full syllabus, which is a significant reduction in the stress on students. Second, students have considerable time to prepare adequately for the tests, which will be held in the last week of April. Hence try to find opportunity in problems. Let's see how it can be gained.

Throughout this post, you'll learn about class XII mathematics topic-by-topic mark distribution, crucial issues to pay attention to, and preparation tactics that will help you do well on your tests and pass them.

PREPARATION FOR CBSE EXAMS

Learning mathematics is similar to learning to play a sport or a musical instrument. Getting good at something takes time and effort; it does not happen overnight. As a matter of course, students are expected to write down their solutions. They will be better prepared for their mathematics exams if they put this practice to good use.

Students should begin by gaining a basic comprehension of the subject matter. The majority of the work is done once the fundamentals are understood. The NCERT Mathematics textbook should be thoroughly reviewed.

For Integration, Probability, Vectors and 3D Geometry create a tidy notebook with all of the formulae. These formulae should

always be at hand. The 'Applications of the Integrals' chapter can be a challenge for some students, therefore they put it off until the end. Actually, it's a wrong practice. At least three times revision should be spent on this chapter.

PRESENTATION OF ANSWER-SCRIPT

The paper is divided in three sections that must be completed in 120 minutes. Section A and B should have 30 minutes apiece,



When you feel that any calculations are taking too long, you should examine your solution to see if you made any mistakes. A serious look at the question again will ensure that you've recorded everything accurately.

Case study questions challenge your capacity to think and visualise. The formulae must be memorised. The most salient factor in order to solve the questions is the application of the formulae.

Replicating down the wrong value from the previous steps is a common blunder. Be careful and not to be sloppy.

In the situation that you choose to retry any answer, please discard the prior effort. According to CBSE norms, then the latter will not be given credit for their efforts.

The formula 'I Love NAPPs' works wonders in scoring high in exam.

■ 'I' stands for Inputs. It's a way of talking to your teacher and getting feedback on how well you're grasping the material.

LOVE

■ According to 'I' of Love, not to leave any pre board as the exam serves as a way to gauge one's level of preparedness.

NAPPs

■ 'N' stands for NCERT, which is recommended to be read four times over.

■ The letter 'A' stands for the ability to remain calm under pressure.

■ 'P' is doing 'Practice Paper'

■ 'P' is 'Presentation of Paper'. Examiners are compelled to grant points when impressed by a good presentation of paper.

■ 'S' stands for shortcomings that need to be addressed quickly.

■ 'N' stands for NCERT, which is recommended to be read four times over.

■ The letter 'A' stands for the ability to remain calm under pressure.

■ 'P' is doing 'Practice Paper'

■ 'P' is 'Presentation of Paper'. Examiners are compelled to grant points when impressed by a good presentation of paper.

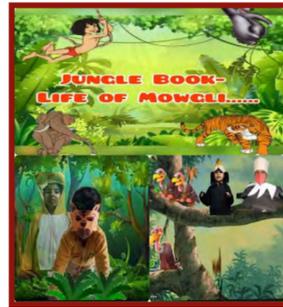
■ 'S' stands for shortcomings that need to be addressed quickly.

MANISHA KHANNA, Vice Principal, Mount Olympus School, Gurugram

ASN conducts special assembly

The message, 'Face fears, gain confidence, and most importantly, not to be a coward!' was beautifully conveyed by students of ASN International School, Mayur Vihar of classes nursery and KG in their special assembly 'The Jungle Book- Life of Mowgli' held on March 16.

The children of class nursery and KG worked as a team and presented a melange of thoughts, ideas, and expressions. The special assembly based on the epic, 'The Jungle Book', highlighted the fact on how to lead a simple and happy life. Where it provokes us to laugh more and try new things, it also motivates us to enjoy our life and relax. The assembly started with an intro-



duction of a boy's life in the jungle, being engrossed with various wild animals, which was followed by a story presentation of 'The Jungle Book- Life of Mowgli'.

In this story, tiny tots of the pre-primary wing presented the strong bond of love, friendship, courage, trust, and hope. Attired in attractive costumes, the students enacted their characters spectacularly which was a treat to everyone's eyes.

In the song 'We're friends' which was featured in the assembly, students motivated the audience to embrace the beauty of friendship. The assembly came to its finale with the address of headmistress Shivani Khanna and academic coordinator Priyanka.

YOGA FOR IMPROVING MEMORY AND CONCENTRATION

Yoga is an ancient art form that connects the mind and body. In today's age with all the stress and digital pressures it's even more important to strive for that balance.

Yoga not only helps in keeping the body healthy but also works wonders in improving concentration and memory power. While practicing yoga we need to focus on the postures and breathing effectively helping reduce the stress and releasing negative energy from the body. For students specifically yoga can be beneficial in sharpening the brain and enhancing learning abilities. If our brain is active the body functions properly too. So, to keep our mind and body fit we need to do yoga regularly, eat healthy food and sleep on time. Here are some yoga asanas to improve memory and concentration:



■ NATRAJASANA ■

Stand straight and slowly lift your left leg back and hold your left foot with your left hand. Extend your right hand in front to maintain balance. Hold this position for 1 minute and 30 seconds.

BENEFITS: Natrajasana helps in building focus and confidence. It also increases flexibility and improves metabolism.

■ VRIKSHASANA ■

Stand straight and slowly place your left leg on your right inner thigh. Gently take both of your arms over your head and make a namaskar pose. Hold this position for 1 min and 30 seconds

BENEFITS: Vrikshasana is helpful in bringing stability, calm and grace in life.

SEEMA GUPTA, yoga instructor, Maharaja Agrasen Vidyalaya, Ahmedabad

Yoga should be practiced under the supervision of Yoga Guru. The views expressed in the above article are those of the author and the newspaper takes no responsibility for it.

A LADY WITH A MISSION & VISION

Rukmini Devi Arundale, an Indian theosophist, dancer and a choreographer of the Indian classical dance form of Bharatanatyam, is my inspiration. Born in January 1904 in a brahmin family in Madurai, she played a significant role in revival of Bharatanatyam dance from its original 'Sadhiri' style prevalent amongst temple dancers, the devadasis.

She sanitised 'Sadhiri' and made it palatable to Indian upper-class elites and became the saviour of this oldest art form. Soon, she set up a dance institution in the ancient Indian gurukul style. She also worked for the re-establishment of the traditional Indian Arts and Crafts. For her dedication for dance she was awarded the Padma Bhushan.

She was the first woman to be nominated in Rajya



INSPIRING ICONS
RUKMINI DEVI ARUNDALE

Sabha. In 1977, Prime minister Morarji Desai offered to nominate her for the post of president of India, which she turned down and continued for her journey as a dancer, choreographer and dance revivalist.

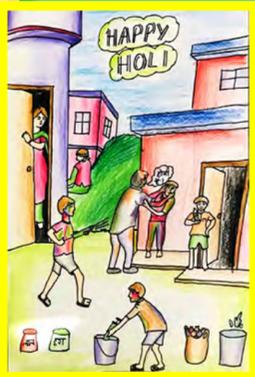
She was also known for her animal love and was associated with various humanitarian organisations, and as a member of the Rajya Sabha, was instrumental for the legislation for the prevention of cruelty to Animals Act.

Throughout her life, she kept working for various causes with dedication and determination crossing hurdles with wisdom and this is what is worth imbibing!

SHRUTI KANTHARIA, Dance teacher, Zebar School For Children, Ahmedabad



Student Corner



AAVUSH BANSAL, class V-B, Rukmini Devi Public School



DRISHTI JAIN, class III-A, Rukmini Devi Public School



AANSHI GUPTA, class V-D, Rukmini Devi Public School

Ahlcon's victory at 'Pact 2030'

Ahlcon Public School adds another feather to its cap with Deepanshu of class XII-H declared as the winner of the Pact Star Awards 2021, receiving the mentorship and incubation of ₹1 lakh from the Pact Star Team and a scholarship for undergraduate studies from top universities sponsoring the programme. A global incubation programme, 'Pact 2030' which aligns with Sustainable Development Goals and 'Azadi Ka Amrit Mahotsav', was organised by QS I-Gauge. The programme was scheduled to be held on ground in Goa but as the situation unfolded, it had to be brought out in a virtual format.

Deepanshu submitted a project entitled 'Paper Maker Bucket' designed on the lines of SDG 11, 12 and most importantly SDG 13. This is a manual paper recycling unit suitable for generating adequate self-revenue for NGO's, Orphanages and Old Age Homes which operates without energy sources like electricity.

Under the Review and Selection Committee, his project initially was selected among 25 semi-finalists out of 147 core entries. By a panel of more than 18 eminent juries, he reached the top 10 finalists out of whom he was finally declared the winner of the Pact Star Awards 2021.



Ryan International celebrates NATIONAL GIRL CHILD DAY

Due to the ongoing global pandemic, the medium of education remains online at Ryan International School Sector 31. Teachers and students are connected in the same way through online education. Just as students used to work in school, now students do not even realise that they are not in school.

Following the guidance of the school chairman Dr A F Pinto and director Dr Grace Pinto, the school is given an opportunity to enhance the talent of the students through many online activities. In this episode, National Girl Child Day was also celebrated on January 24 in which students participated in poster competition, slogan competition and talk shows were organised to express their views in which the talent of the students was seen.

The students of class VIII presented the beautiful talk

show video of 'Beti Bachao' in which they have pointed out to the woman to save her life by telling her the importance of life. In this drama, it was also admitted that we should always keep in mind that new steps should be taken on the safety and protection of girls so that the balance of this life remains and the



beautiful creation of nature does not come to an end.

Praising the video of this short drama presented by the student, the school head N Geeta Srinivasa encouraged them to present this and their views and urged people to implement the message of 'Beti Bachao Beti Padhao'.

The Biggest Foreign Language Summer Camp is Here!

Skill Live Live Online Language Learning

This Summer gift your child a unique skill & make them stand apart



- French
- Spanish
- German
- Mandarin
- Japanese
- Korean
- Trinity English
- Coding



Age Group 4-18



Support@skill-live.com
www.skill-live.com

Click here to Register Now! for a FREE DEMO Webinar on Saturday, 26th March

BARCELONA STUNS MADRID

Aubameyang scores twice as rejuvenated Catalans inflict 4-0 defeat on rivals Real Madrid on home ground to end their winning streak



Ferran Torres

Barcelona's losing run against Real Madrid finally ended as the Catalan club enjoyed a stunning 4-0 win at the Santiago Bernabéu Stadium and showed its title hopes in the Spanish league may not be over yet. Barcelona kept its recent momentum going under coach Xavi Hernández in the last "clásico" of the season on Sunday. The win ended Barcelona's five-match losing streak to its rival and maintained an outside chance of fighting for the title after a difficult start to its first season without Lionel Messi. The victory was its first against Madrid since 2019 and came in style - like a few others Barcelona enjoyed with Messi in his prime.



Ronald Araujo

Nou in their first league game last year. It was Madrid's first home loss in 24 league games, since losing to Levante in January 2021.

Barcelona has been revitalised by Xavi and its attack has been red hot, outscoring opponents 24-5 in its last eight matches, with Aubameyang and Torres combining for 15 goals since arriving at the club this year. Aubameyang has now scored nine goals in his 11 appearances since arriving from Arsenal.

He opened the scoring with a close-range header after a cross by Ousmane Dembélé in the 29th minute, and sealed the victory with a nice flick over goalkeeper Thibaut Courtois in a breakaway in the 51st. Araujo had added to the lead with a header off a corner kick in the 38th before Torres scored the third in the 47th after a clever flick-pass by Aubameyang as the Madrid defense collapsed yet again.

Barcelona had several other significant scoring opportunities throughout the match, with Aubameyang, Torres and Dembélé among those missing good chances.

WINNING STREAK CONTINUES

It was Pierre-Emerick Aubameyang who thrived this time, scoring twice to continue his great streak since being signed in the final minutes of the winter transfer window. Ronald Araujo and Ferran Torres added a goal each to give Barcelona its seventh win in the last eight matches in all competitions.

"Of course we didn't expect this scoreline, but we did everything we intended to do from the start," Barcelona captain Sergio Busquets said.

The result moved Barcelona within 12 points of league leader Madrid with nine rounds to go, and it could further cut the gap to nine points if it wins its game in hand against Rayo Vallecano. Barcelona is level on points with fourth-place Atlético Madrid and is three points behind second-place Sevilla, which was held 0-0 at home against Real Sociedad earlier Sunday for its third straight draw in the league.

FIRST LOSS IN 24 GAMES

Madrid, which badly missed the injured Karim Benzema, was unbeaten in its last eight games in the league, with six wins. It had beaten its Catalan rival 2-1 at Camp

FALSE TACTIC FAILS

Benzema, the league's top scorer with 22 goals, couldn't play because of a left-leg injury sustained in the league match against Mallorca, when he scored for the eighth time in five games in all competitions. The French striker had netted a hat trick in Madrid's thrilling comeback win against Paris Saint-Germain last week in the Champions League at the Bernabéu.

Madrid coach Carlo Ancelotti did not replace Benzema with another striker, instead using Luka Modric in a false-nine position at the top of the attacking line along with Vinicius Júnior and Rodrygo. Madrid barely threatened, though, and Ancelotti had to change tactics in the second half by putting Mariano Díaz up front, which also didn't help much.

Barcelona has also secured a place in the quarterfinals of the Europa League. It hosts Sevilla in the league after the international break, while Madrid visits mid-table Celta Vigo. AGENCIES



Pierre-Emerick Aubameyang



Photo: Reuters

Everything went our way and we could have scored even more goals. ...If we have a minimum chance, we will keep fighting. We know it's going to be hard, but in soccer anything can happen.

Barcelona captain, SERGIO BUSQUETS

DREAM RUN ENDS FOR SEN

Pulls out of Swiss Open after All England Championship culminates in agony with straight-game loss to world number one Axelsen

All England Championships finalist Lakshya Sen on Monday pulled out of the Swiss Open Super 300 tournament to get some rest after two weeks of gruelling badminton. The 20-year-old from Almorá made back-to-back final appearances at the German Open and All England Championships in the last two weeks.

"He is not playing Swiss Open as he is feeling tired. He has informed Badminton Association of India. So he will be back to Bangalore, get 7-10 days of rest and then go for Korean Open," Sen's mentor Vimal Kumar told PTI.

Sen's dream run at the All England Championships ended with a heartbreaking straight-game loss against world number one and Olympic champion Viktor Axelsen in the men's singles final on Sunday, continuing India's 21-year-long agonising wait for the coveted trophy.

After four days of sensational badminton, the 20-year-old Sen faltered on the cusp of history as he committed too many errors to go down 10-21 15-21 to former champion Axelsen in a lop-sided summit clash that lasted 53 minutes at the Barclaycard Arena.

Costly errors

"I think the strategy was there. I played him last week but today he was looking solid in attack and defence as well. He was really patient and played a really good game," Sen said after the match.

"In the opening game, I committed a lot of errors, that cost me the game. I was there in the second game but again he was too solid for me."

Sen became only the fifth Indian after Prakash Nath (1947), Prakash Padukone (1980, 1981), Pullela Gopichand (2001) and Saina Nehwal (2015) to reach the final of the prestigious tournament after outwitting defending champion Lee Zii Jia in a gruelling semifinal.

Despite the loss, it has been a creditable performance for Sen, who is still in his early days in elite-level badminton. "Since the pandemic happened, I have played really good badminton. I have to keep playing continuously at the top level and now I know what it is like to be playing in the big circuit. Every match is important and I have to be prepared and it gives me a lot of confidence," Sen said.

Japan's Akane Yamaguchi won the women's singles crown, beating South Korea's An Seyoung 21-15 21-15 in the final. AP

Japan's Akane Yamaguchi won the women's singles crown, beating South Korea's An Seyoung 21-15 21-15 in the final. AP

GREAT FORM

A product of the Prakash Padukone Badminton Academy in Bengaluru, Sen has been in sensational form in the last six months.

- Secured maiden world championships bronze in December last
- Won first Super 500 title at India Open in January
- Finished runner-up at the German Open last week.
- Will play Korea Open next. Giving Swiss Open the miss

Japan's Akane Yamaguchi won the women's singles crown, beating South Korea's An Seyoung 21-15 21-15 in the final. AP

Japan's Akane Yamaguchi won the women's singles crown, beating South Korea's An Seyoung 21-15 21-15 in the final. AP

Creditable performance so far

Despite the loss, it has been a creditable performance for Sen, who is still in his early days in elite-level badminton. "Since the pandemic happened, I have played really good badminton. I have to keep playing continuously at the top level and now I know what it is like to be playing in the big circuit. Every match is important and I have to be prepared and it gives me a lot of confidence," Sen said.

Japan's Akane Yamaguchi won the women's singles crown, beating South Korea's An Seyoung 21-15 21-15 in the final. AP



Lakshya Sen

Photo: AP

SWIATEK BEATS SAKKARI FOR INDIAN WELLS WTA TITLE

Former French Open champion Iga Swiatek beat Maria Sakkari 6-4, 6-1 to win the WTA Indian Wells title and move to a career-high ranking of number two in the world.

Swiatek's fifth career title was her second in as many tournaments after her triumph in Doha last month, and pushed her WTA match win-streak to 11.

It also ensured the 20-year-old from Poland, who shot to prominence with her victory at Roland Garros in 2020, will climb two spots to supplant Barbora Krejčíková at number two in the rankings behind Australian Ashleigh Barty on Monday.

"I'm really overwhelmed and honestly my mind is blown," Swiatek said, explaining that coming into the tournament she didn't



Iga Swiatek

Photo: USA TODAY Sports

think it was "realistic" to think she could maintain the level that saw her win Doha for a second straight tournament. "I wouldn't think of myself as ready to play two tournaments in a row and win it," she said. "I feel like getting the number one is closer and closer."

Greece's Sakkari will rise to a career-high third. AP

QUIZ TIME!

Q1: Which sport is Yuki Bhabri associated with?

- a) Tennis
- b) Swimming
- c) Badminton
- d) Cricket

Q2: In which year did Sir Don Bradman play his last test?

- a) 1948
- b) 1944
- c) 1945
- d) 1947

Q3: Which of the following persons is not a hockey player?

- a) Prithvial Singh
- b) Ashok Kumar
- c) GS Ramchand
- d) Balveer Singh

Q4: What is the national sport of Japan?

- a) Cricket
- b) Kabaddi
- c) Chess
- d) Judo

Q5: In which tournament did Sania Mirza pick up her first Grand Slam title?

- a) 2009 Australian Open
- b) 2012 French Open
- c) 2011 French Open
- d) 2008 Australian Open



Sania Mirza

Photo: AFP

Q6: How many players are there in each volleyball team?

- a) 6 b) 8 c) 10 d) 12

Q7: Sirmour Cup is related to which sport?

- a) Basketball
- b) Cricket
- c) Polo
- d) Women's hockey

Q8: What is a cycling sports area called?

- a) Velodrome
- b) Rink
- c) Range
- d) Course

Q9: Which country does golfer Vijay Singh play for?

- a) Australia
- b) New Zealand
- c) Ukraine
- d) Fiji

ANSWERS:

1. a) Tennis
2. a) 1948
3. c) GS Ramchand
4. d) Judo
5. a) 2009 Australian Open
6. a) 6
7. c) Polo
8. a) Velodrome
9. d) Fiji