

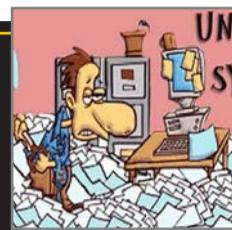


THE TIMES OF INDIA

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TODAY'S EDITION

- We share tips on how to master biology
 - Solve few case study questions
- PAGE 2



- Six tips to score big in your upcoming examinations
 - Check out the movies of Christopher Plummer
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- New age cricketers are not scared to take risk. Cases in point: Pant, Sundar & Mayers
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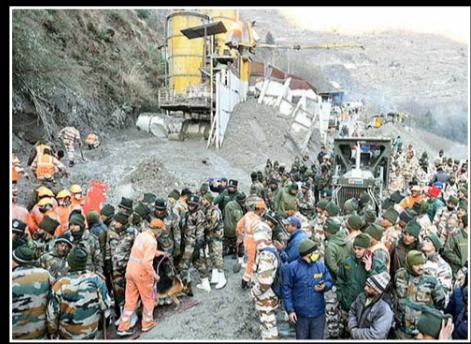


STUDENT EDITION

TUESDAY, FEBRUARY 9, 2021



WEB EDITION

[CLICK HERE: PAGE 1 AND 2](#)


Why Uttarakhand is prone to frequent DISASTERS

A glacial broke in the Tapovan-Reni area of Chamoli district in Uttarakhand on Sunday, leading to massive flooding in Dhauliganga and Alaknanda rivers, and damaged houses and the nearby Rishiganga power project. As many as 15 people have been rescued so far, while 14 bodies have been recovered from different locations, when reports last came in. Few years back, the state had faced the ire of nature, courtesy the Kedarnath floods as a result of glacial lake outbursts in the region, triggered by heavy rains. So, why is this state so vulnerable? We find out...



X-PLAINED

ADVERSE GEOLOGICAL SETTING

1 Located on the southern slope of the Himalayan range, Uttarakhand is one of the most disaster-prone states in India. Due to its topography and geology, the state faces the risk of calamitous events like flash floods, mudslides, mudflows, and earthquakes, among others. Most part of the state is covered by the Himalayan peaks and glaciers. The Himalayas are young fold mountains, formed a few million years ago. Tectonic activities like thrusts, faults and plate collisions are very common in this region, making it very unstable and sensitive. The adverse geological setting makes the state highly-susceptible to intense seismic

According to a report submitted in Parliament in 2016, Uttarakhand has the highest number of unstable zones

is happening on a large scale. These activities are cutting right into the toes of the delicate slopes of the state, thereby adding to the destabilising process, and exposing the state to nature's fury.

shaking (earthquakes) and landslides.

TOURISM

2 The ecologically-sensitive state's economy is majorly based on tourism. The number of people visiting the state as tourists is huge. Therefore, to cater to the tourists, deforestation, mindless construction of hotels and lodges on the river edges, widening of narrow lanes

As a result of climate change, the rate of melting of the Himalayan snow has accelerated significantly since the beginning of the 21st century, leading to the weakening of glaciers, and increasing the water level in various river systems.

However, scientists project that this swelling of water systems will reduce within decades as glaciers lose mass. This would eventually lead to water scarcity.

WHAT LED TO THIS GLACIAL BURST?

- Calling the glacial burst a "very rare incident", scientists said, satellite and Google Earth images did not show a glacial lake near the region, but there's a possibility of 'water pockets' (lakes inside the glaciers), which might have burst, leading to this extreme event
- Glacial lakes, which contain ice boulders or glacial sediment, aren't as stable as open lakes and can burst their banks, they added

EXPERTS' TAKE ON THE HIMALAYAN GLACIERS



► A 2019 study spanning 40 years of satellite observations across India, China, Nepal and Bhutan, had warned that the Himalayan glaciers have been melting twice as fast since the start of this century due to climate change. It said that the glaciers have been losing the equivalent of more than a vertical foot and half of ice each year since 2000 – double the amount of melting that took place from 1975 to 2000

► Another study of glacial lakes published in 'Nature' last year had observed that the volume of lakes formed by the melting of glaciers jumped by 50% since 1990, as glaciers retreat due to climate change

CELEB TALK

Young must lead old on climate: William



If every young person educates their family on the environmental impact they are having, it will make a difference and change the tide in creating a momentum towards a new future

Myanmar gets its Hong Kong moment



1 Aung San Suu Kyi, the 75-year-old leader, has been kept incommunicado, since their army chief Min Aung Hlaing seized power in the early hours of Feb 1, to counter what the military said was widespread election fraud. Myanmar's electoral commission has

rejected those claims

Suu Kyi has been charged of illegally importing six walkie-talkies,

and is in police

detention for investigation until Feb 15. Her lawyer said, he has not been allowed to see her

3 The UN Security Council has called for the release of Suu Kyi and other detainees and the US is considering targeted sanctions against the country

A TENNIS MILESTONE FOR INDIA

Ankita Raina on Sunday became the fifth Indian woman tennis player in the Open era to secure a place in the main draw of a Grand Slam, as she made the cut for the women's doubles event of the Australian Open. The year's first Grand Slam started in Melbourne on Monday.

Ankita is only the second Indian after Sania, a six-time Grand Slam champion, to compete in the women's doubles of a tennis major. She will partner Romania's Mihaela Buzarnescu, and the pair will take on local wild cards Belinda Bencic and Olivia Gadecki in the first round.

India will have four Indians competing in the season's first Grand Slam. Sumit Nagal will compete in the men's singles, while Rohan Bopanna and Divij Sharan will present their challenge in the men's doubles with their respective partners.

Nirupama Mankad (1971), Nirupama Vaidyanathan (1998), Sania Mirza and Indian-American Shikha Uberoi (2004) have competed in the Grand Slam main draws for the country

► One of the young champions, who took part in the online chat was Nzambi Matee from Kenya. Nzambi, who makes sustainable building materials said: "It was not hard to convince my granny and her friends to stop using plastic bags. "In fact, they were telling me, 'Don't throw those bags away'. If we can convince my grandmother not to use plastic bags, we can do any-

thing," she added

► The champions, aged 18 to 30, also included Letters Arapakis from Greece, whose organisation teach people how to fish sustainably and promote plastic clean-ups

► William recently launched the Earthshot Prize, which will hand out a series of awards over the next decade to solve the environmental problems

The whole world is struggling with several challenges. Who would have thought that humankind would have to witness such pandemic circumstances... The eyes of the world are on India. There are expectations from India, and there is a confidence that India will contribute to the betterment of our planet. India is truly a land of opportunities. Several opportunities are awaiting us. So a nation, which is young, full of enthusiasm, and a nation that is making efforts to realise the dreams with a resolve, will never let these opportunities pass by. NARENDRA MODI, PM, in his reply to the Motion of Thanks on the President's Address, in Rajya Sabha

HOME APPLIANCES THAT CAN TAKE CARE OF YOUR PET

PET

With companion animals becoming a fad among a huge chunk of population, South Korean home appliance makers have started rolling out products that highlight pet care features...

► LG Electronics have introduced a washer and a dryer that come with steam functions, which remove allergens. LG said, using pet care cycles on their new clothing care appliances will kill dog allergen or cat allergen by 99.99 per cent in clothes. The company said, its new 24-kg washing machine can also efficiently remove pet-related stains and odours in people's clothes, while upgrading the pet hair removal feature for its 17-kg dryer. The company released the washer with a price tag of \$1,645

► Samsung unveiled its artificial intelligence (AI)-powered vacuum cleaner, the JetBot 90 AI+, at the all-digital Consumer Electronics Show (CES) 2021 last month.

► Using the robot cleaner's camera

through the company's Internet of Things (IoT) platform

► In fact, Samsung plans to launch the JetBot 90 AI+ vacuum cleaner and its pet care service in South Korea and the United States in the first half of the year

► The company has been also promoting the Galaxy SmartTag as a useful tool to locate pets. Samsung said, people can easily find their companion animals, if they get lost, through the tracking tag attached to their pet's collar, courtesy the Bluetooth low energy technology



READ. PLAY. LEARN

TUESDAY, FEBRUARY 9, 2021

"Life is short, but there is always time
enough for courtesy."
RALPH WALDO EMERSON, POET

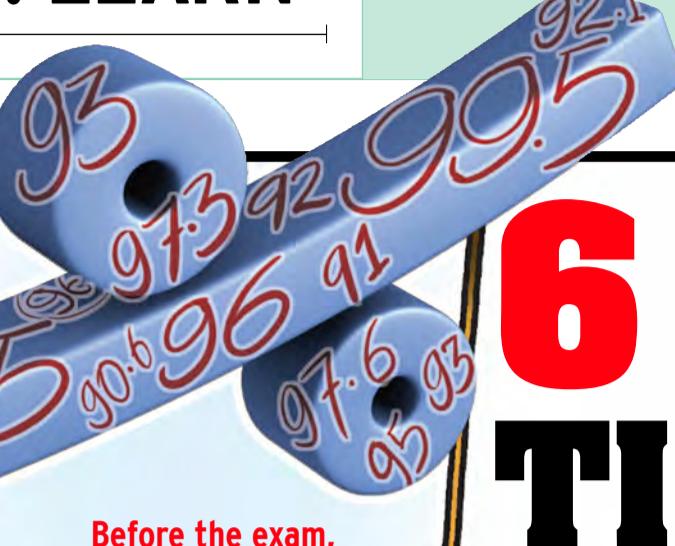
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A PRODUCTIVE STUDY PLAN

1 Understanding and solving all questions from the NCERT Textbooks: The time has come when you should be focusing on getting all the fundamentals right. For this, you should first be completing your NCERT Textbooks thoroughly one more time (if done already). Even the experts & toppers recommend doing this. Solve Every Question Type. With that said, it's also necessary that you solve questions of varying types & difficulty levels according to the "Latest & Reduced" syllabus. Oswaal CBSE Question Banks contain Chapter-wise & Topic-wise questions with solutions. They also include Previous Years' Questions with Marking.

STUDY THE WEIGHTAGE OF EVERY TOPIC

2 CBSE is well known for coming up with surprises. It keeps the students on their toes. Moreover, the syllabus students are required to cover for the Board Exams is vast. So, knowing the weightage of each topic or chapter will help you allocate time optimally. Oswaal Books has published CBSE Sample Paper for CBSE Board Exams 2021. These are strictly in line with the latest changes and reduction done by the CBSE Board. Solving them will help you understand the weightage of each topic for a particular subject. They include Visual Case Study Based; Passage Based & Objective Type Questions as prescribed by the Board for this year's exams.



Before the exam,
remember to look forward,
not backwards. Don't think
about all the things you
don't know

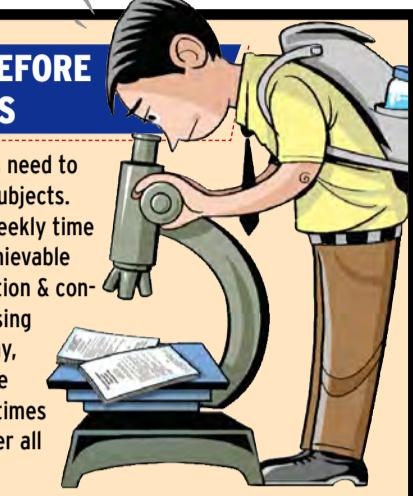
6 KEY TIPS TO SCORE BIG

With the outbreak of the pandemic, the whole of the country went into lockdown. So did the educational institutions. The schools did not have a good set-up to start with online education. However, in a short period, schools picked up nicely, and now the CBSE Board students are just three months away from the Board Exams as the Education Minister has finally announced the Date sheet for CBSE Boards 2021. CBSE Board Exams for Class 10 & 12 will begin on 4th of May. CBSE Board Exams for Class 10th will end on June 7 while for Class 12th the exams will conclude on 11th of June. Here are some tips by experts at Oswaal Books that could help students to reduce stress and ace their upcoming exams.

EXERCISE AND MEDITATION

6 Thoughts and doubts get accumulated in the brain irrespective of how well you prepare for your exams. When you are studying, you usually stay in the same room for hours. This creates lethargy, sleepiness and sluggishness. A

tried and tested method to eliminate these issues is to exercise/go for walk every single day. Something as simple as a 15-20 minutes of walking or yoga can do wonders for you.



RELAX AND WRITE EXAMS

5 Many times, it happens that students know the entire paper but they are unable to present it properly. Examiners not only evaluate the correctness of your answers but also pay equal attention to how they are presented. The CBSE Sample Paper provides Answering Tips, Board's Marking Scheme & Commonly Made Errors that students can follow to learn to write perfect answers in the exam.

to stay as calm as possible on exam day. It is completely natural to feel a little nervous but for some, it can be consuming and can lead to panic during an exam. Before the exam, remember to look forward, not backwards. Don't think about all the things you don't know. You will never know everything, and you will always feel like you could have revised more. More importantly, you can't change the past but you can control what happens now.

FINAL WORD...

Don't think of Board Exams as the end of the world, they are just one very important phase of your life. Just give it your best and ace them with a firm strategy and the right practice resources.

If you are feeling nervous, it means you want to do well. And if you want to do well, your nerves might get in the way. That is why it is so important



WELLNESS/SKINCARE

Are you washing your Face Properly



Washing your face takes off all the excess oil, gunk and grime from your face and helps in setting your skin up for the rest of your skincare routine. But your wash-and-go routine might not work as well as you think. There are a few things you must know to check if you are cleaning your skin well.

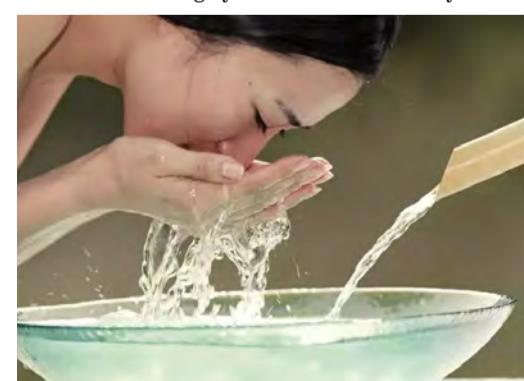
that won't reflect light as well as a clear surface. You can use an exfoliating face wash that helps in making sure you are reviving up cell turnover.

Your skincare products are piling: If the product that you applied is peeling off rather than getting absorbed, it could be because you haven't cleaned your skin enough.

When you skip a full cleansing routine, you leave behind an invisible layer of film that creates a barrier and prevents your products from seeping into their best abilities.

Your skin seems more prone to irritation and rashes than before: When you wash your face too little, it can cause a lot of problems. But, over-washing your face can be as problematic too. When your skin barrier is compromised, the products that sit on top of your skin can end up causing allergies or rashes. So, it's important to understand your skin and clean it properly.

Skin cell build-up on your skin can very much cause dryness and dullness. This is due to uneven skin cells



Stream these great CHRISTOPHER PLUMMER Movies



Canadian actor Christopher Plummer, who died recently at 91, made his first appearances on the Broadway stage

and in Hollywood movies in the 1950s, when he was still in his 20s. He left behind a wealth of unforgettable work in film, theatre and television, including Oscar, Emmy and

Tony-winning performances. Originally introduced to the public as a dignified leading man in the classical English mold of Laurence Olivier and James Mason, Plummer would go on to play a range of roles — from adventure heroes to villainous creeps — and would find some of his greatest success in supporting parts. In his lat-

er years especially, Plummer specialised in bringing a sense of depth and weight to characters who sometimes appeared on-screen for just a handful of scenes.

Here are some of Plummer's best roles, all available to stream:



'THE SOUND OF MUSIC'

1 Throughout the late 1950s and early 1960s, Plummer focused much of his creative attention on the theatre in the US and the UK. Then he played a stuffy Austrian naval officer in 'The Sound of Music,' and became a bona fide movie star. The picture is beloved for many reasons...



'BEGINNERS'

2 Plummer became the oldest actor ever to win an Academy Award when he took home his first Oscar at 82 for writer-director Mike Mills' semi-autobiographical drama 'Beginners.' He plays Hal, a septuagenarian who belatedly comes out as gay and subsequently strengthens his bond with his mixed-up middle-aged son Oliver.



'THE SILENT PARTNER'

3 In the cult favourite 'The Silent Partner,' he matches wits with a devious bank teller (Elliott Gould) after a heist goes awry. The director Daryl Duke focuses primarily on the teller, treating Plummer's master criminal as a shadowy force of evil...



'MURDER BY DECREE'

4 Another venerable Canadian director, Bob Clark, guided Plummer through one of his juiciest roles, playing Sherlock Holmes in a movie about the Jack the Ripper murders. James Mason plays the part of Dr Watson, while Donald Sutherland plays the real-life medium Robert Lees.



'AN AMERICAN TAIL'

5 One of Plummer's most useful tools as a performer was his voice: deep and resonant, with just enough rasp to add a little edge. He was in-demand as a voice-over artist and he brought gusto to several classic animated films, including 'Up' and 'My Dog Tulip.' His first turn in a cartoon was playing a Pigeon who encourages the hero to follow his dream.

BIRDS IN 'VENICE'

SURYAKUMARI DENNISON, teacher, Aavishkar Academy, Bengaluru

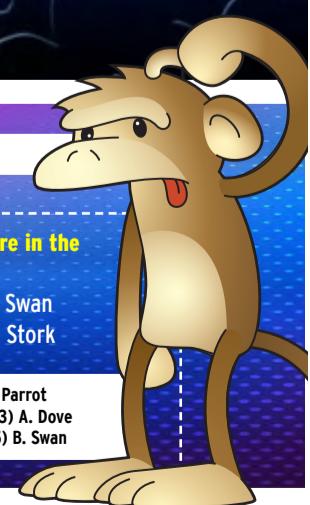
The answer to each of these questions on Shakespeare's 'The Merchant of Venice' is a bird that is mentioned in the play. Act V (not for the Board Exam) is omitted. Choose correctly from the four options.

- According to Salarino, what laughs at a bag-piper?
- Whose song sets Monsieur Le Bon 'a capering'?
- Which of these features in Old Gobbo's conversation with Launcelot?
- According to Arragon, what 'builds in the weather on the outward wall'?

- Lark B. Nightingale C. Thrush D. Wren
- Sandpiper B. Starling C. Pigeon D. Parrot
- Dove B. Duck C. Goose D. Gull
- Robin B. Raven C. Martlet D. Magpie

- What does Portia associate with Bassanio's possible failure in the casket test?
- Swallow B. Swan C. Sparrow D. Stork

Answers: 1) D. Parrot
2) C. Thrush 3) A. Dove
4) C. Martlet 5) B. Swan



"In my mind, I'm always the best. If I walk out on the court (and) I think the next person is better, I've already lost."

Venus Williams, former tennis player

TUESDAY, FEBRUARY 9, 2021

YOUNG & FEARLESS

The new generation of players are brimming with confidence, and are skilled and fearless in their approach. This showed up in the remarkable innings of Rishabh Pant, Washington Sundar and Kyle Mayers

RISHABH PANT

Pant joined Cheteshwar Pujara in the middle when India were reeling at 73/4, having lost Virat Kohli and Ajinkya Rahane in quick succession. He took his risks against Jack Leach and dispatched the spinner out of the park on a few occasions to get into the groove. Pant posted a 119-run stand for the 5th wicket with Pujara, who scored 73 off 143 balls before getting dismissed in an unlucky manner.

Pant was the game-changer for India in the series-deciding fourth Test against Australia on the recently-concluded tour, slamming an unbeaten 89 to help India pull off a record chase at Australia's fortress The Gabba. Pant has continued his stellar run in the ongoing Test series against England.

7 We have to back his approach and I am sure the team management is backing that approach. Now and then he can play a loose shot and get out but moreover I thought it was a mature innings with caution and aggression.

VVS LAXMAN, FORMER INDIA BATSMAN

Rishabh Pant is an incredible, game-changing talent. Arguably a series-changing talent. If he hadn't batted in his no-fear style, if he lacked any self-belief, then India would not have won that match in Brisbane last month that completed their greatest ever series victory." Hussain wrote in his column for Daily Mail.

Pant does not think about getting out, he just sees the attacking option. If he was a cricketer that worried about what things look like when you get out cheaply, he would not be engineering the kind of result that shocked Australia and thrilled the world," he added.

Hussain compared Pant's attitude to that of star England all-rounder Ben Stokes. "His attitude is like that of Ben Stokes. What is the difference, when you have scored 91, if you are caught at short leg or the mid-wicket boundary?" - Hussain wrote.

WASHINGTON SUNDAR



KYLE MAYERS

After guiding his team to an impressive win over Bangladesh, West Indies' Kyle Mayers said that his heroics in his debut Test match should "inspire all youngsters to work hard".

West Indies chased down a target of 395 on the final day in Chattogram to win the match by three wickets and secure a 1-0 lead against Bangladesh in Chattogram. It was the fifth-highest successful run-chase in Test history, and the highest ever in Asia. The chase was made possible by Mayers' unbeaten knock of 210.

"I am always a positive person. I always believe in my abilities and the team, and I always was positive [to finish the chase]. We never gave up. We always said we need to keep fighting. The captain and coach told bowlers you need to keep fighting on a pitch like this. Shannon (Gabriel) put in great effort to lead the way," ESPNcricinfo quoted Mayers as saying.

7 Consider the inexperience. Consider that it's tough condition on the final day of a test in Asia. This has to be one of the most significant achievements in the history of West Indies cricket. Well played Kyle Mayers, Nkrumah Bonner @Coachsim13 Kraigg and the team.

IAN BISHOP, FORMER WI CRICKETER

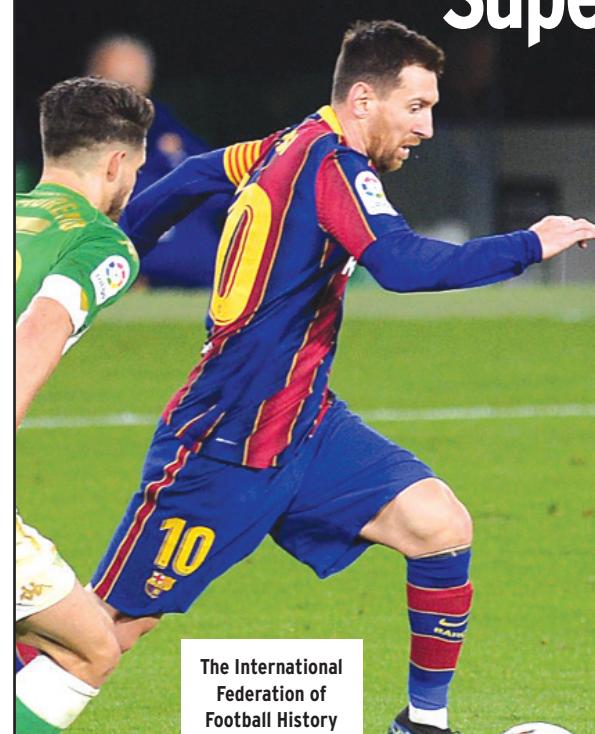
The southpaw now claims the record of highest runs in the fourth innings by a debutant. Moreover, the Barbados-born has become only the second to score a double hundred in a successful chase. His overall score of 250 (1st and 2nd combined) is the 4th highest aggregate on Test debut.

Former India captain Sunil Gavaskar heaped rich praise on Washington Sundar: "Look at the way Washington Sundar batted. Some of the shots he played were fabulous. That lofted shot of James Anderson for a six and then the shot against Joe Root as well. A well-deserved half-century, he deserved a 100 but unfortunately, batting at No. 7 you don't get a lot of hundreds. That 85 not out is as good as a hundred."



Photo: ANI

Super-sub MESSI leads Barcelona comeback against Betis



Messi was among several key players rested, with Ronald Koeman seemingly prioritising Wednesday's Copa del Rey semi-final against Sevilla ahead of Barca's fading title challenge in La Liga

HE CHANGED THE GAME: KOEMAN

Lionel Messi scored his fastest league goal as a substitute as his strike 136 seconds after coming on inspired Barcelona to a 3-2 victory over Real Betis on Sunday. Defeat would have called that decision into question but Messi drove in an equaliser less than three minutes after coming on in the second half and then helped set up Francisco Trincao to score a late winner, the 21-year-old's first goal for Barcelona. Koeman's side sit seven points behind La Liga's leaders Atletico Madrid, who have played two games

Atletico Madrid, who have played two games fewer and face Celta Vigo at home on Monday night.

Success also came at a cost as Barca's best available central defender Ronald Araujo was forced off with an ankle injury early on.

With Gerard Pique already a long-term absentee, Araujo's fitness will be a huge concern, especially with a Champions League last 16 first leg at home to Paris Saint-Germain to come, a week after the test against Sevilla.

Man City win in Anfield to strengthen lead

Manchester City have taken a huge step towards the Premier League title with their recent 4-1 win away to Liverpool, a triumph that owed a large amount to their impressive finishing and two bad errors from Liverpool keeper, Alisson Becker, who gifted their second and third goals with dreadful passes from the back. The result leaves Liverpool 10 points behind Manchester City, who have a game in hand over them and over Manchester United and Leicester, five and seven points behind respectively, reports Xinhua news agency. Two goals from Ilkay Gundogan (also missed a penalty) and one each from Raheem Sterling and Phil Foden gave Pep Guardiola's men a record-equalling 14th consecutive win in all competitions. IANS



QUIZ TIME!

Q1: Which tennis player won the 2015 Wimbledon singles title?

- a) Rafael Nadal b) Novak Djokovic
c) Stan Wawrinka d) Andy Murray

Q2: Who has played most cricket matches as captain in One Day Internationals?

- a) MS Dhoni b) Arjuna Ranatunga
c) Stephen Fleming d) Ricky Ponting

Q3: Who won the NBA Coach of the Year award in 2017?

- a) Gregg Popovich b) Mike D'Antoni
c) Dwane Casey d) Mike Budenholzer

Q4: The 2017 Women's US Open singles title was won by which of these tennis players?

- a) Sloane Stephens b) Jelena Ostapenko
c) Garbine Muguruza d) Serena Williams

Q5: Who is the fastest to 8,000 runs in Test cricket?

- a) Kumar Sangakkara b) Garry Sobers
c) Sachin Tendulkar d) Rahul Dravid

Q6: Who won the 2017 Women's French Open title?

- a) Madison Keys b) Jelena Ostapenko
c) Garbine Muguruza d) Venus Williams

Q7: Who was the first runner-up of the US Open in 1881, then called the US National Championship?

Q8: During which Olympics did Sakshi Malik become the first Indian women wrestler to win a medal?



a) 2012 London Olympics
b) 2016 Rio Olympics

c) 2000 Sydney Olympics
d) 2008 Beijing Olympics

Q9: Who has scored most runs in the Asia Cup ODIs?

- a) Sanath Jayasuriya b) Shoaib Malik
c) Kumar Sangakkara d) Sachin Tendulkar

Q10: Who won the 2015 French Open women's singles title?

- a) Maria Sharapova b) Lucie Safarova
c) Garbine Muguruza d) Serena Williams

Q11: Who holds the record of the highest score in ICC men's T20 World Cup?

- a) Alex Hales b) Chris Gayle

c) Brendon McCullum d) Ahmed Shehzad

Q12: Who was the 2016 NBA Rookie of the Year?

- a) Ja Morant b) Malcolm Brogdon
c) Karl-Anthony Towns d) Andrew Wiggins

Q13: Which tennis player was the winner of the first women's singles championship at Wimbledon?

- a) Maud Watson b) Lillian Watson
c) Blanche Bingley d) Laura Knight

ANSWERS:

1 b) Novak Djokovic 2 d) Ricky Ponting

3 b) Mike D'Antoni 4 a) Sloane Stephens

5 a) Kumar Sangakkara 6 b) Jelena Ostapenko

7 a) William E Glyn 8 b) 2016 Rio Olympics

9 a) Sanath Jayasuriya 10 d) Serena Williams

11 c) Brendon McCullum 12 c) Karl-Anthony Towns

13 a) Maud Watson