



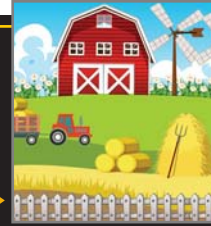
# THE TIMES OF INDIA

[www.toistudent.com](http://www.toistudent.com)
**TODAY'S  
EDITION**

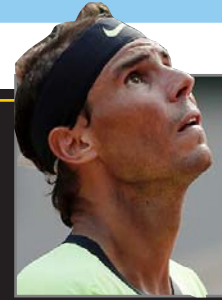
► Solve few case-based questions exclusively prepared by your teacher on physical education

**PAGE 2**


► Check out your favourite activity corner; take quiz on Indian Constitution, and much more

**PAGE 3**


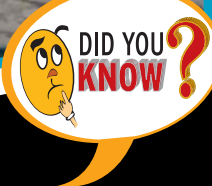
► It's Nadal vs Djokovic in the French Open semi-finals

**PAGE 4**

**STUDENT EDITION**

FRIDAY, JUNE 11, 2021


**WEB EDITION**
**CLICK HERE: PAGE 1 AND 2**


## SEA SNOT



- Istanbul, a key industrial hub and Europe's most-populous city with 16 million residents, sits at one end of the sea
- Underwater videos showed suffocated coral covered with sea snot

**WHAT** A thick, brown, bubbly foam, dubbed 'sea snot', has covered the shores of the Sea of Marmara, alarming Istanbul residents, and threatening marine life. It has now spread to the adjoining Black and Aegean Seas. Turkey's President Recep Tayyip Erdogan has said that considerable steps will be taken to solve the problem and protect the country's seas.

**WHY** A marine mucilage, sea snot is formed when algae are overloaded with nutrients as a result of water pollution, combined with the effects of climate change. The nutrient overload occurs when algae feasts on warm weather caused by global warming. Water pollution adds to the problem. Environmental experts have said that overproduction of phytoplankton caused by climate change and uncontrolled dumping of household and industrial waste into the seas has led to the present crisis.

A 'sea snot' outbreak was first recorded in Turkey in 2007. Back then, it was also spotted in the Aegean Sea near Greece. But the current outbreak in the Sea of Marmara is by far the biggest in the country's history

### HOW BADLY CAN THE CRISIS AFFECT THE MARINE ECOSYSTEM?

**1** The growth of the mucilage, which floats up on the surface of the sea like a brown phlegm, is posing a severe threat to the marine ecosystem of the country. According to experts, it has not only caused mass deaths among the fish population, but has also killed other aquatic organisms such as corals and sponges.

**2** The mucilage is now covering the surface of the sea and has also spread to 80-100 feet below the surface. Experts say, if unchecked, this can collapse to the bottom and cover the sea floor, causing major damage to the marine ecosystem.

**3** Over a period of time, it could end up poisoning all the aquatic life, including fishes, crabs, oysters, mussels and sea stars, they warn.

**4** Besides aquatic life, the 'sea snot' outbreak has also affected the livelihoods of fishermen. They have said that the sludge is getting collected in their nets, making

them so heavy that they break or get lost. Moreover, the mucilage coating the strings make the nets visible to fish and keep them away.

**5** Some experts have also warned that the 'sea snot' can cause an outbreak of water-borne diseases such as cholera in cities like Istanbul.

SOURCE: AGENCIES

#### WHAT STEPS ARE BEING TAKEN BY TURKEY?

Turkey's environment minister Murat Kurum said the entire Sea of Marmara will be turned into a protected area. Moreover, steps are being taken to reduce pollution and improve the treatment of waste water from coastal cities and ships



### 'SV' IS THE INTERNET COUNTRY CODE TOP-LEVEL DOMAIN FOR WHICH COUNTRY?

**CLUE 1:** The central American nation declared its independence from Spain in 1821, and became a sovereign nation 20 years later.

**CLUE 2:** It holds the record for conceding the most goals in a FIFA World Cup match, losing 10-1 to Hungary in the 1982 edition.

**CLUE 3:** From 1980 to 1992, civil war ravaged the state, claiming lives of approximately 75,000.

**ANSWER:** El Salvador. It is the first country in the world to accept bitcoin as a legal tender. President Nayib Bukele announced that the Central American nation will officially recognise the cryptocurrency, following a law that legitimised it as currency. The US dollar is currently El Salvador's official currency.

### CO2 EMISSIONS AT RECORD HIGH DESPITE COVID-19 PANDEMIC

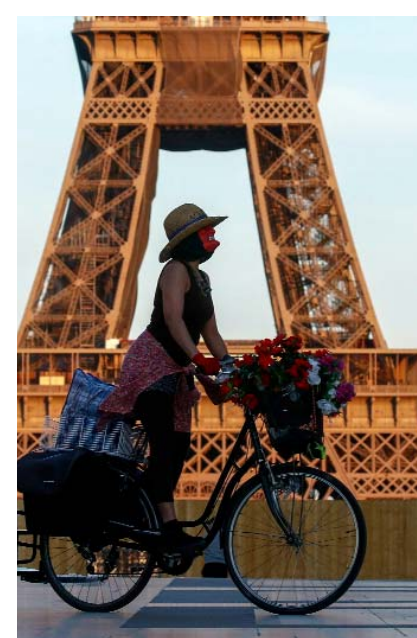


The Carbon dioxide (CO2) in the Earth's atmosphere has again peaked last month, reaching historic levels, according to a new report. The atmospheric carbon dioxide peaked for 2021 in May at a monthly average of 419 parts per million (ppm), the highest level since accurate measurements began 63 years ago, scientists from the National Oceanic and Atmospheric Administration (NOAA) and Scripps Institution of Oceanography at the University of California San Diego announced.

- According to scientists, CO2 is by far the most abundant human-caused greenhouse gas, and persists in the atmosphere and oceans for thousands of years after it is emitted.
- Roughly 40 billion metric tons of CO2 pollution is being added to the atmosphere per year, they added. ■ CO2 emissions will see a rise of 1.5 billion tons – the second-largest annual increase ever – in 2021, the IEA has said in its latest report. While this would be the biggest annual increase in emissions since 2010, it would reverse most of last year's decline caused by the Covid-19 pandemic, the IEA said.

**Environment**


The current atmospheric burden of CO2 is comparable to where it was during the Pliocene Climatic Optimum, between 4.1 and 4.5 million years ago, when CO2 was close to, or above 400 ppm. During that time, the sea level was about 78 feet higher than today, the average temperature was 7 degrees Fahrenheit higher than in the pre-industrial times, and studies indicate that large forests occupied areas of the Arctic that are now Tundra, the report said



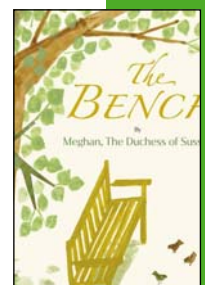
### Eiffel Tower turns flag-bearer for Paris 2024 ahead of Tokyo handover

A massive Paris 2024 flag was unfurled at the top of the Eiffel Tower recently as the French capital stepped up its preparations for the handover ceremony at the end of the Tokyo Olympics. The official handover of the Olympic flag will be one of the highlights of the Games' closing ceremony, which will take place at Tokyo's Olympic Stadium on Aug 8. To celebrate the Olympics back in France, Paris 2024 organisers will open an open space offering sports and festive activities at the Trocadero Gardens throughout the Tokyo 2020 Olympic and Paralympic Games.

The Tokyo 2020 Games, which were postponed by a year due to the Covid-19 pandemic, is scheduled to begin from July 23

### Meghan Markle releases first children's book 'The Bench'

UK's Duchess of Sussex, Meghan Markle, has published her first children's book. Titled, 'The Bench', the book is inspired by her husband Prince Harry's bond with their son Archie. Markle's rhyming narrative is complemented by illustrator Christian Robinson's water-colour images, showing families from different backgrounds – from a boy carrying a soccer trophy to a boy and his father wearing pink tutus.



Random House calls the book a portrait of "the special relationship between fathers and sons, through a mother's eyes"


**BOOK**

## Avengers ready to welcome Marvel fans at new Disneyland campus



Spider-Man will fly high above Disneyland Resort's new Avengers Campus in California when it starts welcoming the public on Friday, tumbling through the air as guests below meet Iron Man, Black Panther and other Marvel superheroes. The six-acre Avengers Campus at Disney California Adventure Park is Walt Disney's latest redesign of its popular theme parks, which were closed during the pandemic...

The major attractions of the park include an aerial Spider-Man robot that performs somersaults while flying 60 feet in the air. A human dressed as Spider-Man will greet visitors at the ground level



Fan favourites from Disney's blockbuster Marvel movies – from Black Widow to Captain America and Ant-Man, will also roam the area and interact with the guests

Guests also can ride a Spider-Man attraction called Web Slingers, where they team with the character to battle out-of-control Spider-Bots. Physical sets and virtual environments will blend to make visitors feel like they are slinging their own webs, designers said





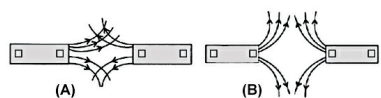
TACKLE Qs WITH THE SPIRIT  
OF SCIENTIFIC INQUIRY

## PAPER SET BY ASHLESHA BAPAT, TGT (SCIENCE), UDGAM SCHOOL FOR CHILDREN, AHMEDABAD

## SECTION-A

Question numbers 1 to 16 carry 1 mark each.

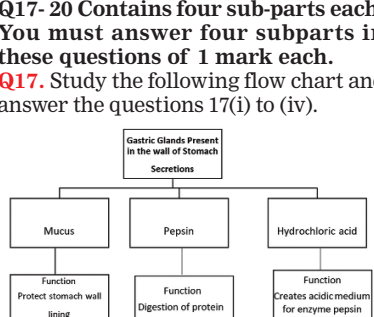
- Q1.** State the reason for the following:  
(i) Potato chips manufacturers usually flush bags of chips with nitrogen gas.  
(ii) Iron articles lose their shine gradually.  
**Q2.** Define water of crystallisation.  
**Q3.** List two biotic components of environment.  
**Q4.** Zinc Sulphate forms a colourless solution in water. What will you observe on adding copper turning in it?  
**Q5.** Phytoplankton ----> Zooplankton ----> Fish ----> Fish eating Bird  
In this food chain which organisms will have  
(i) Maximum available energy (ii) Maximum concentration of pesticides.  
**Q6.** Two solutions X and Y are tested with universal indicator. Solution X turns orange whereas solution Y turns red. Which of the solutions is a stronger acid? State the meaning of strong acid.  
**Q7.** Besides Gallium which other elements have been discovered to fill the gap left by Mendeleev in his periodic table.  
**Q8.** Electric kettle of 2KW works for 2 hours daily. Calculate the energy consumed in S.I. unit and commercial unit.  
**Q9.** If in a straight wire "A" current is flowing in vertically downward direction whereas in straight wire B current is flowing in vertically upward direction. What is the direction of magnetic field?  
(i) In wire "A" (ii) In wire "B"  
**Q10.** Select saturated hydrocarbon/s from the following  $\text{CaH}_2$ ,  $\text{C}_2\text{H}_2$ ,  $\text{C}_4\text{H}_{10}$ ,  $\text{C}_6\text{H}_6$ ,  $\text{C}_2\text{H}_4$   
**Q11.** A bulb is rated at 5V, 100 mA. Calculate Power.  
**Q12.** Magnetic field lines of two magnets are shown in fig. A and fig. B. Select the figure that represents the correct pattern of field. Also, name the poles of the magnet facing each other.



**Q13.** Draw a diagram to show the formation of a rainbow.

For question numbers 14, 15 and 16, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

- a) Both A and R are true, and R is correct explanation of the assertion.  
b) Both A and R are true, but R is not the correct explanation of the assertion.  
c) A is true, but R is false.  
d) A is false, but R is true.  
**Q14.** A: Ionic compounds are insoluble in water.  
R: Ions are free to move in molten and aqueous state in ionic compounds.  
**Q15.** A: Plant raised by vegetative propagation can bear flower and fruit earlier than those produced from seeds.  
R: Plants which lost capacity to bear viable seeds can propagate through vegetative propagation.  
**Q16.** A: Compass is a small magnet and gives direction of magnetic field lines.  
R: It gets deflected when brought near a magnet.  
**Q17-20** Contains four sub-parts each. You must answer four subparts in these questions of 1 mark each.  
**Q17.** Study the following flow chart and answer the questions 17(i) to (iv).



- (i) What is likely to happen if the number of villi increases in the intestine?  
a) increase in the absorption of food  
b) fast elimination of waste from the body  
c) decrease in flow of blood in the small intestine  
d) fast breakdown of larger food particles into smaller ones  
(ii) The contraction and expansion movement of the wall of the food pipe is called:  
a) Translocation  
b) Transpiration  
c) Peristaltic movement  
d) Digestion  
(iii) Which of the following events in the mouth cavity will be affected if salivary amylase is lacking in saliva?  
a) Fats breaking down into fatty acids.  
b) Proteins breaking down into amino acid.  
c) Starch breaking down into sugar  
d) Absorption of vitamins.  
(iv) When a few drops of iodine solution are added to rice water, the solution turns blue-black in colour. This indicates that rice water contains:

- a) Fats  
b) Starch  
c) Complex proteins  
d) Simple proteins  
**Q18.** Read the following paragraph and answer questions from 18 (i) to 18(iv).  
The growing size of the human population is a cause of concern for all people. The rate of the birth and death in each population will determine its size. Reproduction is the process by which organisms increase their population. The process of sexual maturation for reproduction is gradual and takes place while general body growth is still going on. Some degree of sexual maturation does not necessarily mean that the mind or body is ready for sexual acts or for having and bringing up children. Various contraceptive devices are being used by human beings to control the size of population.

The following chart shows population of some Indian cities

City	Population	Population density (per km <sup>2</sup> )
Mumbai	12,691,836	1,89,070
Delhi	10,927,986	11,312
Kolkata	4,631,392	26,553
Chennai	4,328,063	24,000

- (i) Which of the following determine the size of the population?  
a) Birth rate b) Death rate  
c) Both a & b d) None of the above  
(ii) Which contraceptive method changes the hormonal balance of the body?  
a) Surgical method. b) Oral pills  
c) Condoms d) All the above  
(iii) A surgical method is done in females for family planning. Which event will be prevented from this method?  
a) maturation of eggs  
b) production of eggs

- c) entry of eggs into the uterus  
d) entry of sperm into the uterus  
(iv) Copper T is placed in \_\_\_\_\_ to prevent pregnancy.  
a) Stomach b) Uterus  
c) Ovary d) Oviduct

**Q19.** Study the following table and answer questions from 19 (i) to (iv)  
The following table shows the boiling point of some of the hydrocarbons

Hydrocarbon	Boiling point (°C)
Butane	-0.5
Decane	174.0
Ethane	-88.6
Heptane	98.4
Hexane	68.7
Methane	-161.7
Nonane	150.8
Octane	125.7
Pentane	36.1
Propane	-42.1

- (i) Melting and boiling point \_\_\_\_\_ with increase in molecular mass in homologous series.  
a) Decreases  
b) First increase and decrease  
c) Increases  
d) First decrease and increase.  
(ii) A hydrocarbon should have a minimum of how many carbon atoms to show isomerism.  
a) Three b) Six  
c) Four d) Two  
(iii) The heteroatoms present in hydrocarbon  $\text{CH}_3\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{Cl}$  are  
(i) Oxygen (ii) Carbon  
(iii) Chlorine (iv) Hydrogen  
a) i and ii b) i and iii  
c) ii and iv d) i and iv  
(iv) The number of covalent bonds in pentane is  
a) 15 b) 16 c) 17 d) 18

**Q20.** Study the following table and answer questions from 20 (i) to (iv)  
The following table shows typical refraction in arc minutes and seconds for a variety of altitudes above the horizon at a temperature of 10°C and pressure of 101kPa.

Altitude	Refraction	Altitude	Refraction
90°	0' 0"	15°	3' 41"
80°	0' 11"	10°	5' 25"
70°	0' 22"	5°	9' 40"
60°	0' 35"	2°	16' 56"
50°	0' 51"	1°	21' 45"
40°	1' 12"	0° 30'	25' 0"
30°	1' 45"	0°	28' 59"
20°	2' 45"	0° 30'	33' 41"

- (i) Why does Sun appear slightly oval shaped at morning and evening?  
a) The ray of light from the upper edge of the sun have to pass maximum thickness of atmosphere.  
b) Due to unequal bending of light  
c) The rays of the light from the lower edges of Sun are refracted more.  
d) All of the above  
(ii) To an observer on Earth the stars appear to twinkle. This is due to:

- a) The fact that stars do not emit light continuously.  
b) Frequent absorption of star light by earth's atmosphere.  
c) The fluctuation of physical conditions in the earth's atmosphere.  
d) Frequent absorption of star light by their own atmosphere  
(iii) With respect to atmosphere which of the point distinguish between cold air and hot air?  
a) Cold air is denser than hot air  
b) Hot air is lighter than cold air  
c) Cold air has higher refractive index than hot air  
d) All of these  
(iv) When light rays from stars enter earth's atmosphere it travels from  
a) Denser to rarer medium  
b) Rarer medium to vacuum  
c) Rarer to denser medium  
d) Denser medium to vacuum

## SECTION-B

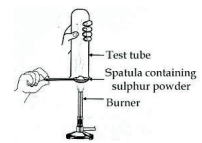
Question numbers 21 to 26 carry 2 mark each.

- Q21.** (i) A solution of a substance X is used for testing carbon dioxide. Write the equation of the reaction of X with carbon dioxide.  
(ii) How is X obtained? Write chemical equation for it.  
**Q22.** Give reasons for the following:  
(i) Metals can be given different shapes according to our needs.  
(ii) Hydrogen is not evolved generally when a metal reacts with nitric acid.  
**Q23.** Write any two drawbacks of Mendeleev's periodic table.  
**Q24.** (i) Why are the walls of the ventricles thicker than the auricles in human heart?  
(ii) Why does herbivores have longer small intestine than carnivores?  
**Q25.** With the help of a diagram show asexual reproduction in amoeba.  
**Q26.** Atoms of an element contain five electrons in its valence shell. This element is the major component of air. It exists as a diatomic molecule.  
(i) Identify the element  
(ii) Show the bond formed with the help of electron dot structure between two atoms of this element.  
(iii) Write the nature of bond between the two atoms.

## SECTION-C

Question numbers 27 to 33 carry 3 mark each.

- Q27.** Explain in brief Advanced Sunrise and Delayed Sunset (figure is required).  
**Q28.** Student took Sulphur powder on a spatula and heated it. He collected the gas evolved by inverting a test tube over it as shown in the figure.  
(i) What will be the action of gas on?  
a) dry litmus paper?  
b) moist litmus paper?  
(ii) Write a balanced chemical equation for the reaction taking place.  
**Q29.** Show how would you join three resistors each of resistance 9 ohm so that the equivalent resistance of the combination is -  
(a) 13.5 ohm (b) 6 ohms.  
**Q30.** (i) Name the following:  
(a) Part in which urine is produced  
(b) Part which stores urine  
(c) Part which connects (a) and (b)  
(d) Part from which urine is passed out  
(ii) List two factors on which reabsorption of water along the tubular part of nephron depends.  
**Q31.** Write the names given to the vertical columns and horizontal rows in modern periodic table. How does the metallic character of elements vary on moving down a vertical column? How does the size of atomic radius vary on moving left to right in a horizontal row? Give reason in support of your answer in the above two cases.  
**Q32.** What is solenoid? Draw the magnetic field lines for current carrying solenoid.  
**Q33.** (i) (a) Name the compound which is obtained from baking soda and is used to remove permanent hardness of water.  
(b) What happens when it is recrystallized from its aqueous solution.  
(ii) State what happens when:  
a) Gypsum is heated at 373 K.  
b) Chlorine gas is passed through dry slaked lime.



- (i) (a) What would be ammeter reading if nichrome wire is replaced by another nichrome wire of same thickness but twice the length 2 l (marked 2 in figure)  
(b) What would happen to the current if nichrome wire is replaced by thicker nichrome wire of same length l. (marked 3 in figure)  
(ii) How the current will change if instead of taking a nichrome wire if copper wire (marked 4 in figure) is taken of same length and same area of cross section as that of the first nichrome wire. (marked 1 in figure)  
(iii) How much current will an electric bulb draw from 220V source if the resistance of the bulb is 1200Ω? If in place of bulb, a heater of resistance 100Ω is connected to the source calculate the current drawn by it.  
**Q36.** Observe the following figure and answer the following questions:  
(i) State the principle on which this device works?  
(ii) State the rule to find the direction of force on the coil.  
(iii) State the factors on which direction of the force acting on current carrying conductor depends in the magnetic field.  
(iv) Give the function of the following:  
(a) Brushes (b) Split ring commutator (c) Armature

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## QUICK REVISION

## CASE-BASED QUESTIONS

**Q1.** As Mr. Kiren Rijju, Sports Minister, has ordered to popularise the game of kabaddi among school students to develop their physical ability, Mr. Gopi, Physical Education Teacher of a reputed CBSE school has decided to conduct an Inter School Kabaddi Tournament on his school premises after proper drawing of fixtures. He consulted the Management and the Principal to conduct the Tournament of Pro Kabaddi pattern but the PE teacher was not aware of pro Kabaddi Tournament. So he discussed with the National Kabaddi Referee Association.

- A.** Which of the following is the best method to organise this kind of tournament?  
(a) Knock out (b) League  
(c) Ladder (d) Pyramid  
**B.** The Knock out tournament is also known as  
(a) Combination tournament  
(b) Elimination tournament  
(c) League tournament  
(d) League cum knockout tournament  
**C.** If 17 teams are participating in this tournament, how many teams will get bye?  
(a) 15 (b) 1 (c) 13 (d) 9

- Q2.** Your school has been given the responsibility to conduct zonal volleyball competition. As a Head boy/Head Girl of the student council you have been asked to make various teams of students to help teacher incharges for smooth conduct of the tournament.

- A.** To help the teams to know about the fooding and stay arrangement a group of students will be assigned with \_\_\_\_\_ committee.  
a) Transport  
b) Registration  
c) Boarding and lodging  
d) Decoration  
**B.** Students good at art and craft and creative designing will be assigned with \_\_\_\_\_ committee.  
a) Reception

- b) Registration  
c) Decoration  
d) Entertainment  
**C.** Few students will be assigned with \_\_\_\_\_ committee for prize distribution.  
a) Ceremonial  
b) Transport  
c) Registration  
d) Budget

- Q3.** Sita got admission in class IX in a reputed school. School is taking all the children on a picnic to Ramoji Film City. Sita suffered from a severe stomach ache on her journey. Immediately the class teacher consulted a Doctor who diagnosed the problem and told her that Sita



- had difficulty digesting a particular food. This can lead to symptoms such as intestinal gas, abdominal pain or diarrhoea. It is sometimes confused with or mislabelled as a food allergy.  
**A.** Food intolerance can cause  
a) Diarrhoea (b) Anaemia  
(c) Fatigue (d) Loss of Appetite

- B.** Which of the following is normal BMI for men?  
(a) BMI <18.5 (b) BMI 18.5-24.9 (c) BMI 25-29.9 (d) BMI 30-34.9  
**C.** Excess intake of Iron and Magnesium causes \_\_\_\_\_.  
(a) Stone in the kidney  
(b) Rickets (c) Nervous problems  
(d) Digestive problem



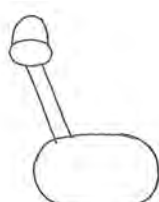


SEJAL ANJARIA  
Art Educator-  
Zebar School for  
Children, Ahmd

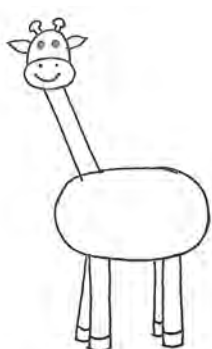
## Draw the easy way



Step-1



Step-2



Step-3



Step-4



Step-5



Step-6

## LEVEL-1



### ATFIEGU

A: fatigue B: intrigue  
C: fatso D: tongue

### EARLISCTI

A: real B: realistic  
C: reality D: ears

### INTERIACNIO

A: entertain  
B: establish  
C: interaction  
D: entry

Answers: 1) A, 2) B, 3) C

## Riding with the Riddle

I have an armour-plated appearance.

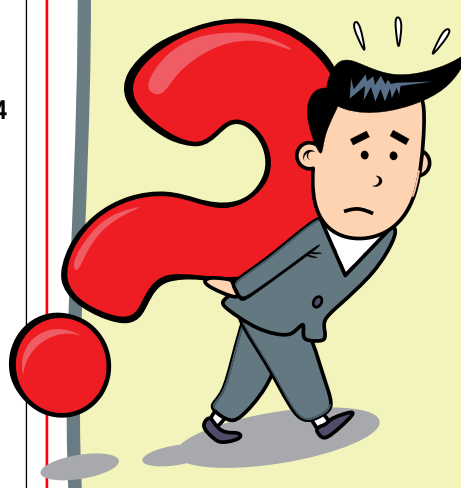
I have been hunted for sport or killed as an agricultural pest.

Conservation efforts have brought me back from the brink of extinction

I live on grass, leaves, fruit, and aquatic plants.

Answer: Rhino

## Quiz TIME



1 Which of the following words has not been written in the preamble of the Indian Constitution?

- a) Sovereign  
b) Socialist  
c) Democratic  
d) Indians

2 KM Munshi was related to the .....

- a) Constitution draft committee  
b) Preamble Committee  
c) Public Accounts Committee  
d) None of the following



3 Who among the following said that the preamble of the Indian Constitution is "The Keynote of the Constitution"?

- a) Ernest Barker  
b) Jawaharlal Nehru

## INDIAN POLITY

- c) Dr. Ambedkar  
d) Nelson Mandela

4 Which of the following statements is true?

- a) In the Berubari case, the Supreme Court had said that the preamble of the Constitution is not a part of the Constitution  
b) In the Keshavanand Bharti case, the Supreme Court had said that the preamble of the Constitution is part of the Constitution  
c) "Preamble" of the Indian Constitution has been taken from the Constitution of Canada  
d) None of the above

Answers: 1) d, 2) a, 3) a, 4) d

## LEVEL-2

## Idiom-etrics

(Choose the idiom that best suits the situation)

Priya was looking forward to having a fun time at her cousin's party in the evening. She got dressed carefully and put on her best make up. Just as she was about to leave, she got a call informing her that the part had been cancelled. Priya was disappointed, but since she was all dressed up, she quickly decided to do a photoshoot for her blog.

- A) Get the picture  
B) Making hay while the sun shines  
C) Change one's tune



g : JANSUY

Sebbey did not like the restaurant and did not want to go to it. She thought it looked cramped and small. But the food was among the best she had had.

- a) Don't judge a book by its cover  
b) It's a piece of cake  
c) Walking on thin



Answer: A

### TRIVIA

#### MAKE HAY WHILE THE SUN SHINE

Years ago, it would take many days for farmers to cut, dry and gather hay, since they did not have machinery to help speed up the process. Since hay gets ruined if it gets wet, farmers preferred to cut and dry the grass while the weather was hot and dry. Thus the phrase "make hay while the sun shines" came into use. Today, it means make the best use of the circumstances, before the chance slips away.

## EDITOR IN THE MAKING

## Weave a story with headlines

Connect the headlines to make a story and give it a title. Mail the story to us at [toinie175@gmail.com](mailto:toinie175@gmail.com). The interesting one will be published in the edition. Watch out for this space!!!

### The headlines:

- 1) Greta Thunberg aims to change how food is produced
- 2) A win-win for the Earth
- 3) Sports personalities as Green crusaders
- 4) We all are Eco-warriors
- 5) Green Pockets of hope

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## MATH MAGIC

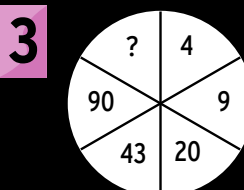
FIND THE MISSING TERMS IN THE FOLLOWING SEQUENCE

- 1 8, \_\_, 16, \_\_, 24, 28, 32  
A. 12, 20 B. 25, 22  
C. 15, 19 D. 19, 22

Answer: A

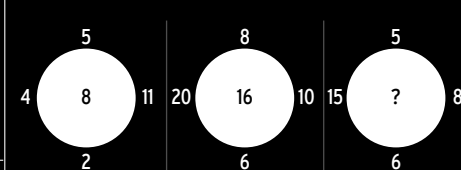
- 2 12, 20, \_\_, 36, 44,  
A. 28 B. 25 C. 32 D. 14

Answer: A



- A. 176  
B. 345  
C. 185  
D. 225

Answer: C



- 4 A. 16 B. 34 C. 18 D. 14

Answer: D



## Learn a NEW LANGUAGE

### FRENCH

1) Merci/Merci beaucoup  
Meaning: Merci/Merci beaucoup

2) Au revoir!  
Meaning: Goodbye!

3) Pourriez-vous m'aider?  
Meaning: Can you help me?

4) Où sont des toilettes?  
MEANING: Where are the toilets?

5) Parlez lentement, s'il vous plaît.  
MEANING: Speak slowly, please

### Work sheet

- How will you end the conversation?
- What will you say for seeking directions for the nearest washroom?
- How will you seek help and express gratitude?
- How will you excuse yourself and ask someone to speak slowly?

1) Au revoir! 2) Bonjour! Où sont des toilettes? 3) Pourriez-vous m'aider? Merci beaucoup 4) Excusez-moi! Parlez lentement, s'il vous plaît

## JUST LIKE THAT AJIT NINAN



## Clipart



# DJOKOVIC, NADAL TO FACE-OFF IN FRENCH OPEN SEMI-FINALS

Both players eyeing history as they meet for the eighth time at Roland Garros

**N**ovak Djokovic set up a 58th meeting with Rafael Nadal on Wednesday when he reached his 40th Grand Slam semi-final at the French Open despite being held up by 5,000 fans needing to be evacuated to conform with a Covid-19 curfew. World number one Djokovic defeated Italy's Matteo Berrettini 6-3, 6-2, 6-7 (5/7), 7-5 to book his place in the last four in Paris for the 11th time. Earlier, Nadal, the 13-time champion, beat Argentina's Diego Schwartzman 6-3, 4-6, 6-4, 6-0 to make the semi-finals for the 14th time.

## A tough match, says Novak

■ With Djokovic's match extending beyond the national 11 pm curfew, play was halted for around 20 minutes at 3-2 in the fourth set so that 5,000 fans could be funnelled out of Court Philippe Chatrier. Djokovic eventually claimed the match on a third match point in the 12th game of the fourth set but only after the Serb had kicked out at an advertising board in frustration at missing the first two. "It was a release of all the emotions I had kept inside me," said Djokovic who hit 44 winners and saved all three break points he faced. "After all the fans left and the little break it wasn't easy to find rhythm. It was really a very difficult match for me." He added: "It was a great battle against a player who serves well and is powerful. Maybe I could have finished on the tie break, but I'm happy to have won."

## NOVAK DJOKOVIC vs RAFAEL NADAL IN NUMBERS

**58** times they have faced each other

**15** years they have played against each other

**29-28** OVERALL: Djokovic leads

**19-7** ON CLAY: Nadal leads

**7-1** FRENCH OPEN: Nadal leads

**10-6** ALL GRAND SLAMS: Nadal leads

## Eye on records

■ Friday's semi-final will be the eighth between Djokovic and Nadal at Roland Garros where the Spaniard has a commanding 7-1 advantage. That includes last year's final but Djokovic remains just one of two men to have defeated Nadal at the tournament.

■ Both players have history on their minds in Paris. Djokovic, an 18-time ma-

jor winner and 2016 French Open champion, is looking to become the first man in more than half a century to win all four Slams twice. Nadal, meanwhile, can win a record-setting 21st major with victory in Sunday's final, edging ahead of Roger Federer in the all-time race.

## Fans eased out at 11 pm

■ For the first time fans were allowed to attend an evening session at this year's tournament thanks to an easing of Covid-19 restrictions. The 5,000-strong crowd watched as Djokovic took command against Berrettini, who had made the quarter-finals when Federer withdrew from the tournament. However, play was halted just before 11pm to allow spectators to leave. Some fans chanted: "We are going to stay, we are going to stay" before they relented and filed out of Court Philippe Chatrier. "We paid 500 euros for two and a half sets of a match. It's unacceptable," said one man watching the quarter-final with his wife and two children. "They should have started at 7pm and not 8pm."

■ Wednesday was the 10th and final evening session of the tournament. However, it was the first which welcomed spectators after Covid-19 restrictions were eased and a 9pm curfew pushed back to 11 pm. Both Djokovic and Berrettini left the court while the stadium was cleared with the match resuming around 20 minutes later. AFP



Photos: AFP



# FRANCE EYE EURO 2020 GLORY AS KICK-OFF LOOMS

Euro 2020 finally kicks off on Friday as Cristiano Ronaldo's Portugal prepare to defend their title and world champions France seek a rare double a year after the tournament was delayed

**F**rance's fearsome forward line makes them favourites to win a third European crown at the pan-continental event, while top-ranked Belgium and a youthful England side will be major threats.

## All eyes on Benzema

The action gets under way at Rome's Olympic Stadium on Friday, where Italy take on Turkey in front of 16,000 fans. Favourites France are not in action until Tuesday in the headline act of the first round of group matches when the world champions take on Germany in Munich. "All the other countries envy us," said a recent front page of French sports daily L'Equipe underneath pictures of Kylian Mbappe, Karim Benzema and Antoine Griezmann. All eyes will be on 33-year-

old forward Benzema, who was recalled after an international exile of five-and-a-half years following a prolific season for Real Madrid.

## Portugal with better squad

Holders Portugal and Hungary complete Group F, dubbed the tournament's group of death. Ronaldo is now 36 but is still going strong and is supported by a better squad than five years ago, which also boasts the outstanding talents of Joao Felix, Bruno Fernandes, Bernardo Silva and Ruben Dias.

## Harry feels Eng better placed now

England have the carrot of knowing both semi-finals and the final will be played at Wembley. Cap-

tain Harry Kane believes England will start their bid to win Euro 2020 in a "better place" than they were before reaching the 2018 World Cup semi-finals. "I feel like now we've had a bit more experience, players in the biggest games for their club and obviously players who have played in that World Cup have had that experience as well," he said. "We haven't won a tournament as a country for a long time, so there needs to be a lot of good mentality along the whole way as it is a long, tough journey to get to the later stages of a major tournament." AGENCIES



Photo: REUTERS

# WOMEN'S HOCKEY TEAM HAS RIGHT BALANCE: LILIMA

**I**ndian women's hockey team midfielder Lilima Minz believes the Olympic core group currently in preparation mode for the Tokyo Games has the right balance between experienced and young players. While experienced players are crucial to give the team direction in difficult situations, young players are equally important to add an energetic dynamic to any side, she said.

"This kind of balance allows the young players to have the guidance of senior members who know what it is like to play at the Olympic level. At the same time, these young players keep the senior members on their toes as they know that there is someone who can replace them if they do not perform well," said Lilima in a HI release. ANI

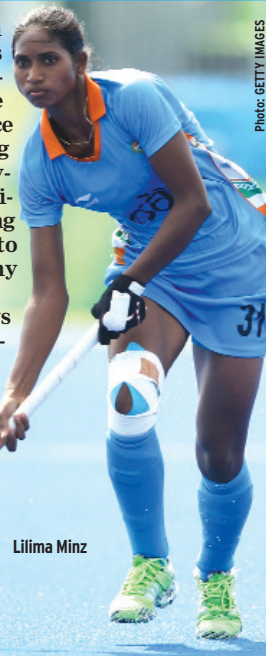


Photo: GETTY IMAGES

## QUIZ TIME!

**Q1:** Which of the Grand Slam tournaments is played on grass courts?

- a) French Open ☐ b) US Open ☐  
c) Wimbledon ☐ d) Davis Cup ☐

**Q2:** How long is the route of the Tour de France in kilometres?

- a) 3,600 Km ☐ b) 3,400 Km ☐  
c) 3,500 Km ☐ d) 3,700 Km ☐

**Q3:** What is the field of play called in Fencing?

- a) Epee ☐ b) Piste ☐ c) Foil ☐ d) Saber ☐

**Q4:** The Center Court at Wimbledon is also known by what famous post-code?

- a) SW19 ☐ b) SW18 ☐ c) SW17 ☐ d) SW16 ☐

**Q5:** In automobile racing, a checkered flag signals the end of what?

- a) Backmarker ☐ b) Debrief ☐  
c) Drivers' briefing ☐ d) A session ☐

**Q6:** The term "Love" in Tennis refers to \_\_\_\_\_

- a) Tie ☐ b) Advantage ☐  
c) A score of zero ☐ d) None of the above ☐

**Q7:** Vinesh Phogat became the first Indian to qualify for Olympics? Name the sport she represents.

- a) Boxing ☐ b) Swimming ☐  
c) Pole Vault ☐ d) Wrestling ☐



Photo: TOI

**Q8:** What are the 2 required lifts in Olympic Weightlifting?

- a) Snatch, Clean and Jerk ☐ b) Front Squat ☐  
c) Push Jerk ☐ d) Power Snatch ☐

**Q9:** What color is used for a warning in Automobile Racing?

- a) Green ☐ b) Yellow ☐  
c) Red ☐ d) Blue ☐

**Q10:** Which Indian badminton player won the Belgian International title?

- a) Subhankar Dey ☐ b) Prannoy HS ☐  
c) Lakshya Sen ☐ d) B. Sai Praneeth ☐

**Q11:** Name the Hungarian swimmer who claimed the gold medal in 200m butterfly, finishing in 1:50.73 to set a new world record?

- a) Tamás Kenderesi ☐ b) Kristof Milak ☐  
c) Cseh László ☐ d) Nándor Németh ☐

**Q12:** How many times do you have to pot the black ball to achieve a maximum 147 break in snooker?

- a) 15 ☐ b) 16 ☐ c) 17 ☐ d) 18 ☐

**ANSWERS:** 1. c) Wimbledon 2. a) 3,600 Km 3. b) Piste 4. a) SW19 5. d) A session 6. c) A score of zero 7. d) Wrestling 8. a) Snatch, Clean and Jerk 9. b) Yellow 10. c) Lakshya Sen 11. b) Kristof Milak 12. b) 16