



THE TIMES OF INDIA

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WHAT'S IN STORE

1 SPECIAL ISSUE ON THE 50TH ANNIVERSARY OF EARTH DAY: News, DIYs, How Tos, Activities, Explainers... in short, we bring you the Earth Day Digest tomorrow. **LOOK FORWARD TO OUR ISSUE**

2 HAVE YOU REGISTERED ON THE SITE? If not, do so at www.toistudent.com also read our story: <https://toistudent.timesofindia.indiatimes.com/news/top-news/6-planet-system-found-in-orbital-harmony/49590.html> by clicking ON THE LINK

3 YOUR CORNER: Have simple activities on Earth Day to share? Or do you want to write something on climate change? Be our Times NIE eco-warrior - send your matter to timesnie175@gmail.com

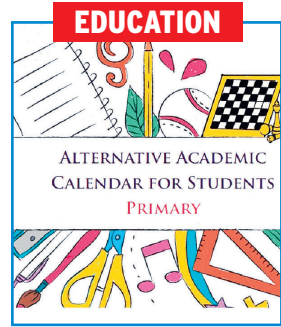
STUDENT EDITION

TUESDAY, APRIL 21, 2020



WEB EDITION

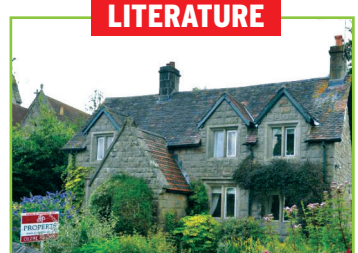
NCERT DEVELOPS ALTERNATIVE ACADEMIC CALENDAR TO ENGAGE STUDENTS DURING LOCKDOWN



EDUCATION
The National Council of Educational Research and Training (NCERT) has developed an alternative academic calendar for school students to engage them meaningfully as they stay at home during the lockdown. The calendar provides guidelines to teachers on the use of various technological tools and social media tools available for imparting education.

ROWLING BUYS CHILDHOOD HOME THAT INSPIRED 'HARRY POTTER' SERIES

LITERATURE
Author JK Rowling secretly bought her childhood home 'Church Cottage in Tutshill' which inspired some important moments in the 'Harry Potter' series, reports the BBC.



* Rowling lived in the house from age nine to 18. The author had also scribbled "Joanne Rowling slept here circa 1982" on the wall of one of the rooms.
* She bought the cottage in 2011 for roughly £400,000 from Julian Mercer, who had bought it in 1995.

BE A CITIZEN SCIENTIST: TRACK PLASTIC WASTE OR BEAT COVID -19



SCI-FI
Amid lockdown, millions of internet users are tuning in to interactive data-crunching projects led by academic researchers. Citizen science helps scientists and researchers analyse huge data sets which they couldn't manage by themselves.

NEWS IN BRIEF

CLICK HERE FOR MORE

KNOW MORE



MANIPURI GAMCHA IS THE #MASKINDIATREND

Leading by example, Prime Minister Narendra Modi was seen covering his face with a Manipuri gamcha (towel), also known as Meitei Lengyan, during his address to the nation. PM Modi changed his display picture on his social media profiles — his mouth and nose covered with the 'gamcha' and hands folded in namaste pose. The "lengyan" that he was wearing is a scarf held in high esteem by the Meiteis (Manipuris).

The Lengyan is a symbol of unity of all indigenous communities in Manipur and is highly regarded by its people. Mostly worn by men in the state, it is a cultural symbol too. It is mostly worn during a Manipuri wedding ceremony



SEBASTIAN VETTEL SAYS F1 WILL ONLY RESUME AS 'GHOST RACES'



SPORTS
Four-time world champion Sebastian Vettel cautioned against the temptation to shoe-horn too many Formula One races into a revised calendar, describing the move as "not realistic". The 22-event F1 season has been decimated by the coronavirus with nine races either cancelled or postponed. F1 chiefs have floated the idea of staging races on successive weekends or even having two races on the same weekend. However, Ferrari star Vettel fears such a move could lead to burnout for team staff.

CORONAVIRUS: SPANISH PM PROMISES TO EASE CONFINEMENT OF CHILDREN



POLICIES
Spanish children have been kept indoors since March 14, under strict measures to curb the spread of COVID-19. Now Prime Minister Pedro Sánchez aims to relax the rule on April 27 so they can "get some fresh air". Barcelona Mayor Ada Colau pleaded with the government to allow children outside. Spain has seen more than 20,000 deaths since the start of the pandemic and almost 200,000 reported cases.

ZOOM AND OTHER VIDEO-CALLING APPS: WHAT MAY OR MAY NOT WORK FOR YOU

WHAT WORKS: Ease of use
WHAT DOESN'T: Security



TECH TONIC
Within the days social distancing was announced, Zoom rose to become one of the most-popular video apps. Even beating WhatsApp on Play Store for few days. However, security issues soon marred the success of the app. Some organisations have told their employees to avoid using Zoom.

X PLAINED

CLOUD BRIGHTENING

What: An ambitious "cloud brightening" experiment has been carried out over Australia's Great Barrier Reef in an early-stage trial that scientists hope could become a futuristic way to protect coral from global warming.
How: Researchers used a boat-mounted fan

similar to a snow cannon to shoot salt crystals into the air to cool waters around the reef by making clouds reflect more sunlight.
Why: Warmer seas caused by climate change have damaged the health of the Great Barrier Reef, the world's largest coral system.



Bleaching occurs when healthy corals become stressed by changes in ocean temperatures - causing them to expel algae, which drains them of their vibrant colours. It was the third mass bleaching event in the past five years, raising fears that much of the reef's coral could be permanently damaged



Should you be ordering food from outside?

What do the doctors say?

Some feel it is best to avoid all kinds of deliveries and outside food until the crisis settles down. Dr Ambrish Mithal, from Max Health care, says that people should stick to eating homemade meals and not compromise on their immunity.

Sanitising the parcel

Dr Laxman Jessani, from Mumbai, said: "Packages go through a rigorous process before being delivered hence virus doesn't stay alive on a surface. Important thing is, that after touching the package, one should clean their hands which will ensure proper prevention."

If you are expecting a delivery, follow these basic tips:

- ▶ Ask your delivery person to keep the package at a distance and not directly hand it over to you.
- ▶ Before going out or after coming in, wash your hands for a minimum of 20 seconds.
- ▶ Wipe and clean the packages with an alcohol-based wipe.
- ▶ Transfer the contents into your home utensils immediately.

HEALTHY 5-MINUTE SNACKS

When you have the urge to reach for that packet of instant noodles, think again and choose something healthy and filling over processed foods. Here are some healthy snacking ideas that are flavourful as well.



EGG SANDWICH

INGREDIENTS: Two eggs, two slices of multigrain bread, olive oil, salt, pepper, oregano, chilli flakes

METHOD: Heat up a medium-sized pan and add a teaspoon of olive oil. Crack two eggs directly into the pan and cook them on low heat for 8 to 10 minutes. Add a pinch of salt, freshly ground black pepper, oregano and chilli flakes. Toast two slices of multigrain bread to go with the scrambled eggs and you are good to go!

Did you know that an egg is considered to be a perfect protein because it contains all the amino acids required by the human body

CHICKPEA SALAD

INGREDIENTS: 1 cup (150 grams) of cooked chickpeas, 2 bell peppers, 1 medium-sized tomato, 1 medium-sized onion, 1/3rd cucumber and a handful of almonds.

METHOD: Cut the veggies coarsely and mix everything in a big bowl. To assemble the dressing, mix roasted mashed garlic, lemon juice, balsamic vinegar (optional) and salt

and pepper. Mix the dressing with the salad and enjoy the healthy munchy.

PEANUT BUTTER SANDWICH

INGREDIENTS: Peanut butter, two slices of multigrain bread.

METHOD: Toast two multi-grain bread slices. Apply a generous amount of peanut butter and enjoy the classic sandwich.

AIIMS docs take to painting, poetry to de-stress after COVID ICU shift

ONE WORLD, ONE HOPE

With the surge in the number of COVID-19 cases, doctors across the country are also faced with immense stress. However, resident doctors (RDs) in AIIMS have found their own ways to de-stress. They are engaging themselves in painting, poetry and training health care workers to keep their spirits high.

Dr Shayan, who is posted at the ICU, Trauma Centre, AIIMS, says how difficult their life is at present. "Stress is unimaginable. Working in the PPE suit for six to seven hours is a very difficult task. You cannot breathe properly and start feeling breathless. You cannot communicate with other doctors.



You have to literally shout to convey a message," he adds. How does he unwind? He

plays musical instruments and paints—a lot. "Certain activities can reduce stress. This is not a privilege, but a necessity now," he says. "I made a sketch when many health care workers died from corona around the world. The image of a health care worker covered in PPE suit carrying the body of his co-worker haunted me," he said.

"I paint a lot. I have been doing it since childhood," Dr Shayan says, adding, the first painting he drew amid this crisis was about the "fear of corona"

FUN-ZONE

Rock The Test

Want to boost your general knowledge? Take this exciting test. Rest assured, it will really test you!

SCIENCE

Theme: Chemistry

Q1: Which one of the following is not needed in a nuclear fission reactor?
A: Moderator B: Coolant
C: Accelerator D: Control device

Q2: When items or jewellery made of metals such as copper or nickel are placed in a solution having a salt of gold, a thin film of gold is deposited by
A: cooling to below 0°C B: heating above 100°C C: passing an electric current D: just keeping it for 10 min

Q3: A body is charged negatively. It implies that
A: it has lost some of its protons
B: it has acquired some electrons

Q4: Contact lenses are made from
A: polyvinyl chloride B: polystyrene
C: Lucite D: Teflon

Q5: Water is a good coolant and is used to cool engines of cars, buses, trucks
A: cooling to below 0°C B: heating above 100°C C: passing an electric current D: just keeping it for 10 min

Q6: Which one among the following metals is used for making boats because it does not get corroded by sea water?
A: Tungsten B: Nickel
C: Antimony D: Titanium

Q7: Which one among the following is a sin-smelling agent (strong smelling compound) added to LPG cylinder to help the detection of gas leakage?
A: Ethanol B: Thioethanol
C: Methane D: Chloroform

Q8: As a verb, "to finance" is to provide funds for business or for an individual's large purchases (car, home, etc.)
A: True B: False

Q9: Paying the balance on your card every month helps you get a good
A: Credit rating
B: Net income C: Tax

etc. This is because water has a
A: high specific heat
B: low surface tension C: high boiling point D: Teflon

from outside
C: it has lost some of its electrons
D: None of the above

A: ISI B: Agmark
C: BIS D: All of above

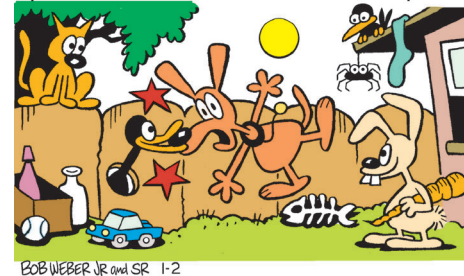
A: 1991 B: 1990
C: 1985 D: 1988

A: 1944 B: 1945
C: 1948 D: 1950

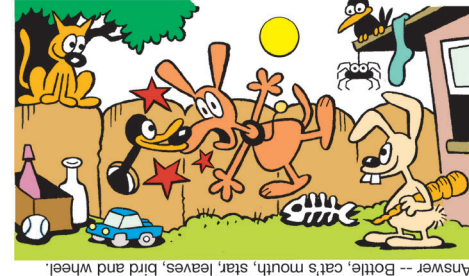
ANSWERS TOPIC: SCIENCE Theme: Chemistry 1. C, 2. C, 3. B, 4. C, 5. A, 6. D, 7. B, 8. A, 9. A
TOPIC: ECONOMY Theme: Finance 1. A, 2. B, 3. A, 4. C, 5. B, 6. A, 7. B, 8. A, 9. A

S.F. AND COMIC KIDS

Spot six differences between these panels.



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BOB WEINER JR and SR 1-2

Answer - Bottle, cat's mouth, star, leaves, bird and wheel.

CURRICULUM EXERCISES

Q1. What is an Isotope?
Q2. Fill in the blanks:
A. A turbine is said to have an axial discharge when the steam leaves the blade tip at _____ to the direction of the blade motion.

Q3. Identify the following:



Answer: (1) Isotopes are variants of a particular chemical element which differ in neutron number, and consequently in nuclear number. All isotopes of a given element have the same number of protons but different numbers of neutrons in each atom. (2) (A) 90° (C) The first BEST motor bus in Mumbai ran in 1926. Buses that ran between 1928 and 1930 had postboxes for passengers to deposit their letters.

Word Wise

mute, quiet, reserved, speechless, silent, withdrawn, etc

taciturn: (adj) inclined to silence; reserved in speech; reluctant to join in conversation. Dour, stern, and silent in expression and manner.

Examples: ■ No one would dare mess with him, the **taciturn** and vengeful leader that he is.
■ Tall and **taciturn**, he exuded the easy authority of a young man used to money and the deference that came with it.

Synonymous words: aloof, laconic, brooding, curt, cold, close, distant, dumb,

WUZZLES

WUZZLES

Each Wuzzle is a word riddle which creates a disguised word, phrase, name, place, saying, etc. For example, NOON GOOD = GOOD AFTERNOON

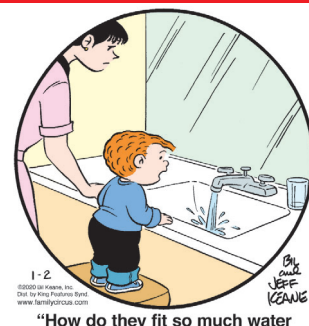
WORD PUZZLES BY TOM

1. or nothing or nothing

2. The River

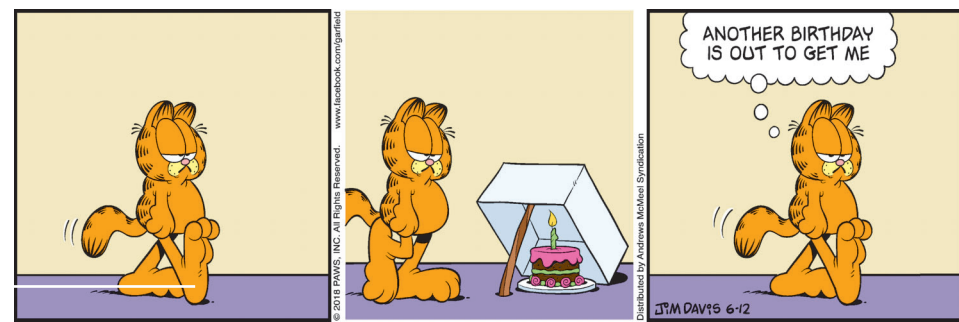
Print Your Answers Here:
1.
2.
Today's Answers:
1. Double or nothing
2. The tier is low

FAMILY CIRCUS



"How do they fit so much water in that little faucet?"

GARFIELD



Painters' Gallery



ARNAV MAKANI, class 10th the Gurukul School, Panchkula



TISHAYA TAKKAR, class 1, Bhai Parmanand Vidya Mandir School, Delhi

People often complain about the various restrictions imposed on them. But right now I am looking at the positive aspects of this lockdown, which are many. I am learning something new every day - from doing the otherwise-mundane household chores to trying exciting new recipes, it's been a great learning experience. I am reading more books outside the syllabus, trying to keep up with current affairs and, most importantly, spending time with my family. I am listening to my favourite musicians - Shawn Mendes, Camila Cabello, Marshmello and Alan Walker. Goes without saying, I am re-reading my textbooks for the three papers which have been postponed.
POORVI SORABA, Class X, Little Flower Public School, Bengaluru.

To create good habits, we should make up our mind to work towards it. We need to: *make a plan and identify the procedure. *Adapt good food habits by eating fruits and vegetables and adding more healthy unprocessed foods in our diet. Avoid junk food. *Adapt good drinking habit. Drink plenty of water and stay hydrated. Also, drink water before going to bed. In summer it's best to drink lime juice, coconut water, buttermilk, instead of having juice. *Make good night time routines like reading. *Read good books before bedtime for a restful sleep. *Do possible exercises both at home and outdoors. As exercising is hard to start all of a sudden, start simple. *Develop a habit of being well-organised.
DEVA NANDA M RAJ, class X, Carmel School Peyad, Thiruvananthapuram

Asking the question, why I should learn to code, today, is the same as asking why I should learn to read and write in the 14th century. Programming is more handy in day to day tasks and professional life more than you think. Once a computer programmer was facing the problem of going to the video rental store again and again to rent DVDs, so he decided to make a website where videos could be uploaded and he and his friends could enjoy them at their ease. Today we know that website as YouTube. Similarly once a teen in his college dorm got the idea to create a website where he could list names of his friends with their photos and now we know him as Mark Zuckerberg. So, learn coding!
VAIBHAV DEVNANI, XII, Jayshree Periwal High School, Jaipur

QUIZ ON TITANIC-SINKING ANNIVERSARY

1. Timeless Titanic
SURYAKUMARI DENNISON, Teacher, Aavishkar Academy

In the early hours of April 15, 1912, a stately ocean liner sank to the depths of the Atlantic Ocean. She lives on in legend and through a film that won several Academy Awards. Answer each of these queries.

1. Which of these words means Titanic?
A. massive 2. matchless 3. magnificent 4. maritime

2. In which city was Titanic built?
A. Belfast B. Berlin C. Boston D. Bradford

3. On what date in April did Titanic leave Southampton for New York?
A. 14 B. 12 C. 10 D. 8

4. On which of her voyages did Titanic strike an iceberg?
A. fourth B. third C. second D. first

5. Which ship rushed to the aid of Titanic and rescued survivors?
A. Cavalier B. Carpathia C. Colossus D. Columbia

TEACHERS' COPE WITH CORONA

With kids all over the house and the entire household work thrust onto the shoulders of the lady teachers, life is indeed not without woes. A new struggle has begun, struggling to tide over the technical limitations and to gain mastery over handling technology, making ppts or videos etc. Amidst all this, assuring the panic stricken senior citizens of the family and the depressed kids is imperative too. It has become very important to spend quality time with all family members to assure them that this is just a passing phase.
SUNITHA R DEY, coordinator, Lakshimpal Singhania Academy Kolkata

Answers: (1) A. massive (2) A. Belfast (3) C. 10 (4) D. 8 (5) B. Carpathia