

PISA 2021

CCT Assignments Class VIII



Module 1

Class 8 English
(Critical and Creative Thinking)

live **mint**

Updated: 05 Mar 2020, 09:03 AM. IST IANS



- Goa minister said Goa is safe from coronavirus
- Tourist arrivals have increased after the outbreak of coronavirus

PANAJI : Goa's heat and humidity are detrimental to spread of coronavirus, according to Ports Minister Michael Lobo. Tourist arrivals had increased after the outbreak, he said here on Wednesday.

"Right now we are doing better than before, because people can't travel to Thailand, China, Italy and other destinations. They are coming to Goa pushing the number of Indian tourists up," Lobo said.

Lobo, MLA from the Calangute constituency, home to some of the most popular beaches in the state, said, "We have seen rise in the number of

foreign tourists too. They can't travel to those countries. They are travelling to India and coming to Goa too".

Lobo said this when the [Goa](#) travel and tourism industry had expressed worry about dip in arrivals after the global [coronavirus](#) scare.

As far as Goa was concerned, he said it was safe. "With this weather, I don't think the virus can spread," he said and added, nothing would stop tourists from coming here.

Goa, top beach and nightlife tourism destination in the country, received more than seven million tourists last year. Nearly half a million of them were foreigners.

(HT Media's Published Indian financial daily newspaper is Livemint or Mint. It mostly targets readers who are business executives and policymakers. It has been in circulation since 2007)

- a) The news report has been written in(place) and uploaded at(time)
- b) Live Mint is a newspaper.
 - i)Financial Daily ii)Financial Weekly iii)Sports Weekly
 - iv)Entertainment Weekly
- c) Coronavirus is prevented by :
 - i)hygiene i)moisture c)cleanliness d)high temperature
- d) The number of Indian tourists who visited Goa in 2019.....
- e) According to Michael Lobo ,why is Goa doing better in tourism than other countries this year?
.....
.....
- f) The most popular beaches of Goa are in
- g) The newspaper Live Mint would most likely to be read by : i)
Sunil is a 16 year old student interested in football

Module 2

Class 8 English(Critical and Creative Thinking)

Read the details carefully:

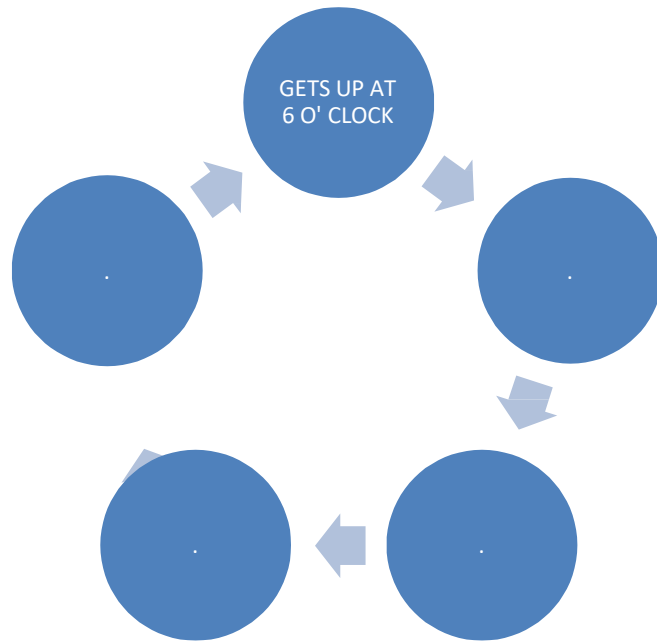
MR. BHATNAGAR

I'm an English teacher and have a big family, so I have a very busy daily routine! First I get up every day at six o'clock, get washed and dressed, leave for work by seven thirty. I get to school at eight o'clock. I prepare my lessons and then teach until noon. The other teachers and I always eat lunch and talk together in the teacher's room. I teach again in the afternoon and then correct my students' homework and tests. After I get back home, I help my kids with homework. I have three kids in elementary school. Their names are Rahul, Rohan and Priyanka. Then I do some exercise, eat my dinner with my family and watch TV before I go to bed at about ten o'clock. We love to watch travel shows. Finally I read in bed before I fall asleep.

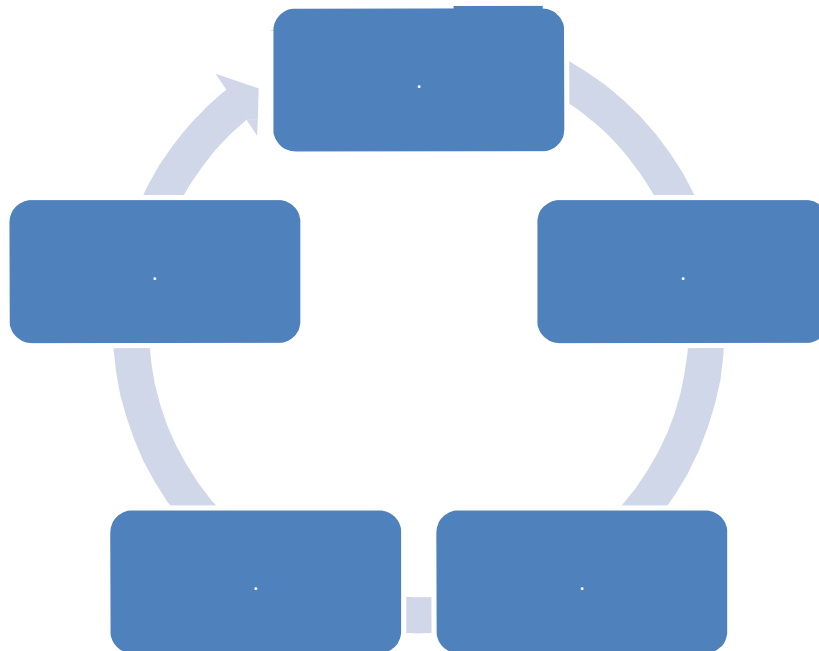
JYOTSANA

Well, I almost always get up early, at about five-thirty. I get up early because I like to go jogging along the beach and watch the sun rise. Later after breakfast, I go to work. I work in a bank near my home. I don't drive to work, I take a bus, as it only takes about twenty minutes to get to work. After work, I like to go to my favourite bakery and buy some fresh bread. I get home between five o'clock and five thirty. My husband Michael usually makes dinner because he loves to cook. In fact, he is a chef in a restaurant. His hobby is growing flowers in our garden. We also have a pet dog called Wolfie. In the evenings we take Wolfie for a walk, and then get to bed by 9:30 p.m. because we have to get up early again the next morning.

Daily routine of Mr. Bhatnagar. (First one is done for you.)




Daily routine of Jyotsana.



Module 3

Class 8 Science (Critical and Creative Thinking)

DAYS NUMBERED FOR AGENTS OF POLLUTION

<p>WITHIN 30 DAYS</p> <p>Introduce intelligent traffic systems for lane-driving</p> <p>Introduce wet/mechanized vacuum sweeping of roads</p> <p>Ensure strict action against unauthorized brick kilns</p> <p>Evolve a system of reporting of garbage/municipal solid waste burning through mobile-based applications and other social media platform linked with Central and state-level control rooms</p> <p>Ensure carriage of construction material in closed/covered vessels</p>	<p>IMMEDIATE</p>  <ul style="list-style-type: none"> ➤ Strict action against visibly polluting vehicles ➤ Install weigh-in-motion bridges at Delhi borders to prevent overloading ➤ Take steps to prevent parking of vehicles in the non-designated areas 	<ul style="list-style-type: none"> ➤ Introduce early alarm system about traffic congestion on major routes ➤ Consider introducing plan for flexi/staggered timings to minimize peak movement of vehicles on the road 	<ul style="list-style-type: none"> ➤ De-congest pathways ➤ Take stringent action against open burning of biomass/leaves/tyres, etc and submit periodic status reports
<p>WITHIN 60 DAYS</p> <ul style="list-style-type: none"> ➤ Take steps to expedite early completion of western and eastern peripheral expressways and submit completion schedule ➤ Maintain pothole-free roads for free-flow of traffic to reduce emissions and dust 		<p>WITHIN 90 DAYS</p> <ul style="list-style-type: none"> ➤ Take steps for installation of remote sensor based PUC system ➤ Promote battery-operated vehicles 	<p>WITHIN 120 DAYS</p> <p>Launch action plan for switching over to natural gas by industries, wherever feasible</p>
<p>Prohibit use of coal in hotels and restaurants and eliminate use of kerosene for cooking in Delhi</p>		<p>Take steps for maximizing coverage of LPG/PNG for domestic cooking purposes with intention of achieving 100%</p>	<p>WITHIN 180 DAYS</p> <p>Take steps for blacktopping/pavement of road shoulders to avoid dust</p>
<p>WITHIN A YEAR</p> <p>Take steps for setting up of biomass-based power generation units to avoid biomass burning</p>		<p>Control dust pollution at construction sites through appropriate cover</p> <ul style="list-style-type: none"> ➤ Set-up helpline in states/UTs for taking action against reported non-compliance 	

Q1 People are encouraged to use LPG/PNG because it is

- (a) Easily available
- (b) Cheap fuel
- (c) High calorific value
- (d) Less polluting

Q2

Statement	T/F
Petrol vehicles cause more pollution as compare to diesel vehicles.	
Overloading of trucks also contributes towards air pollution.	
All the household waste can be decomposed to form compost.	

Q3 Write the ways that help to avoid traffic congestion on the roads.

Q4 Do you think that battery operated cars will not cause any pollution? Give reasons to support your answer.

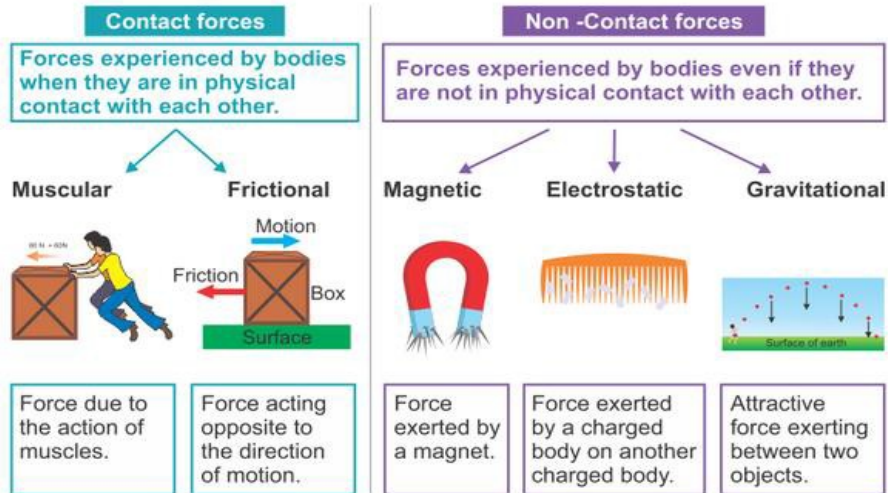
Module 4

Class 8 Science (Critical and Creative Thinking)

A FORCEFUL STORY

LC5044

Types of Forces



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C6-20/53

MEC5

Teacher: What helps you to lift your school bag?

Students: Our muscular force.

Teacher: If I drop a piece of chalk on the ground. What makes this chalk fall down?

Students: "Gravity", shouted the students.

Teacher: Good! All of you seem to have understood the different types Forces

Now let us do something different and interesting. Write a story!

You have to create an action story where examples of different types of forces must be mentioned. Here is an example for you ---



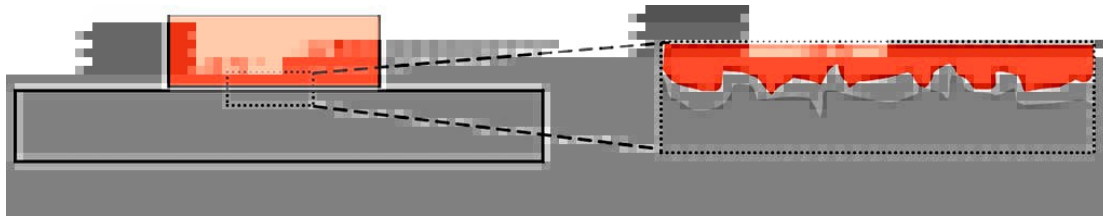
Suraj and Iqbal spent an enjoyable day at the amusement park. They took part in a cycle race, **pedaling hard (muscular force)** to reach the finishing line. Iqbal was lucky and caught ten iron fish with his **magnetic fishing rod (magnetic force)**. Meanwhile at the next stall, Suraj **knocked down (impulse force)** six wooden bottles with the balls he **threw (muscular force)**. Each one won him a prize. He was less lucky at the bowling alley, where his **balls slowed down (friction)** too soon and could not get him any prizes. Tired but happy, they **walked (muscular force)** home. Before you begin, remember that each one of you in the group has an important role to play.

**Remember to underline phrases in your story where examples of forces are mentioned.
Go on and let your creative ideas flow!**

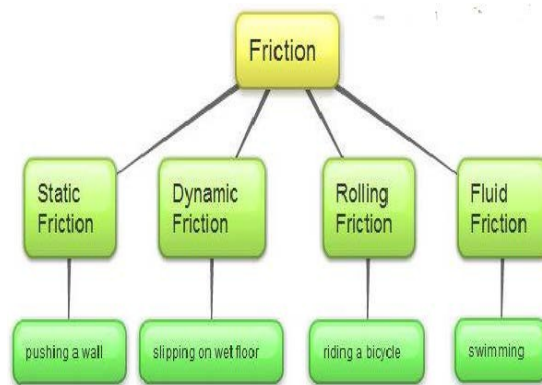
Module 5
Class 8 Science
(Critical and Creative Thinking)

Any surface may only appear to be smooth in the relative sense. A wooden table may appear to be very smooth to us, but if look it with an “ant’s” view, you will find the surface filled with numerous dents. Thus no surface can ideally produce perfect smoothness.

The relative degree of roughness associated with all surfaces has the tendency of developing some interlocking property with another surface coming in direct contact with it. So long as the surfaces are stationary, the interlocking does not produce any reaction. However when the surfaces move or tend to slide in opposite directions, the interlocking property becomes active and opposes the motion of the surfaces.



This opposing force generated between a moving surface sliding or rubbing against another surface is actually the force of friction, also known as simply friction.



A taxi driver has to drive carefully in rainy season in comparison to summers, as road is wet. There are more chances that vehicle may not stop as soon as breaks are applied.



(i) The type of friction between tyres of vehicle and road is.....(1)

- (ii) The friction acting on tyres of car will, If road is dry (increase/ decrease) (1)
 (iii) Why do the brakes not apply effectively in rain? (2)



(iv) The type of friction that acts while skiing on ice (1)

- (v) On which surface a ball rolled with same force will travel move distance? (1)
 A marble floor or a ground of concrete:

(vi) True/ False (2)

S.No	Action	True/ False
1)	Friction can not be eliminated completely	
2)	Friction is always undesirable	
3)	Friction lies even in stationary objects	
4	Friction acts on apple falling from the tree	

Vi) Complete the missing in the following table : (2)

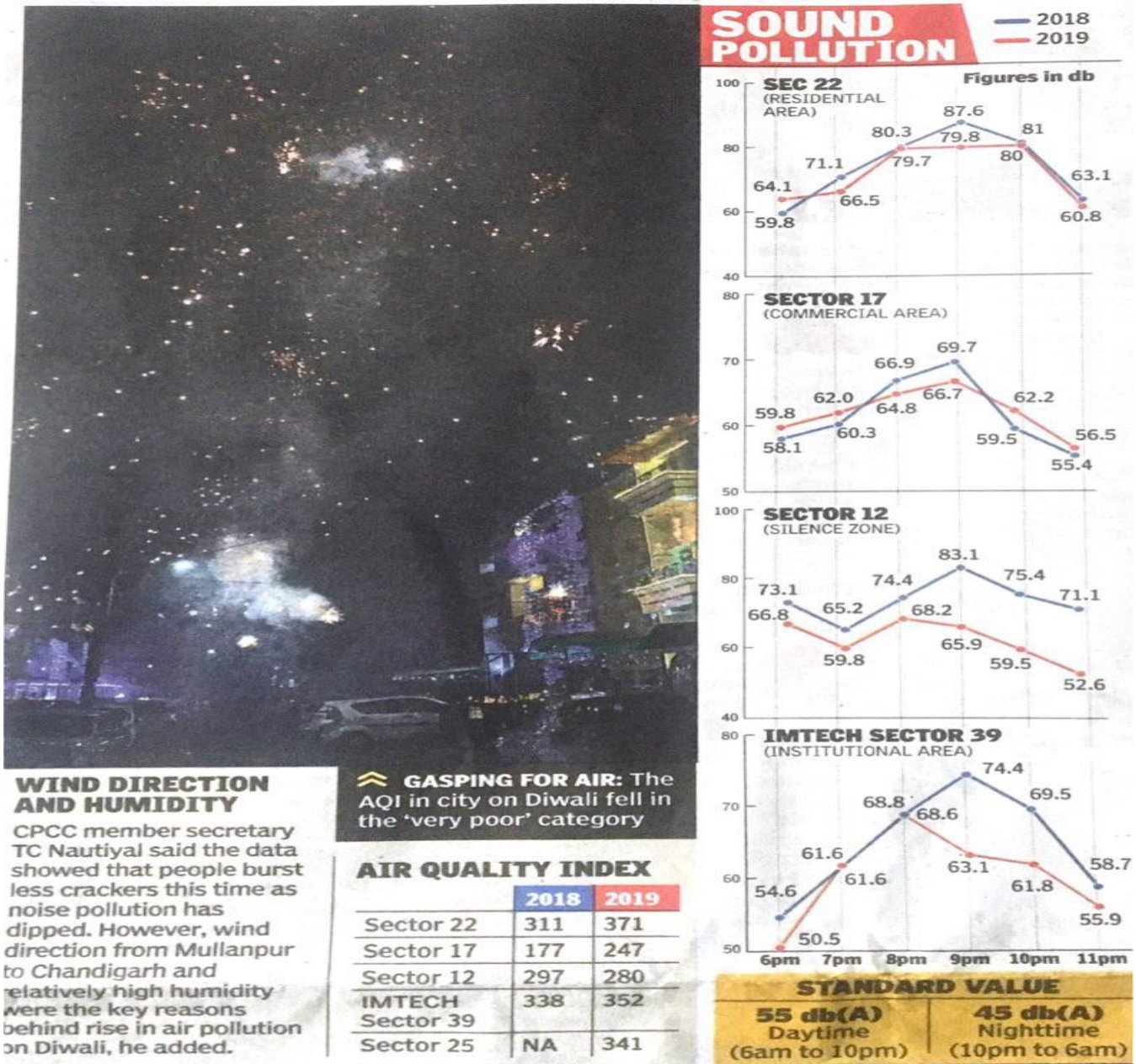
Duster used for rubbing the board, Fish in water, A child trying to push a heavy rock

Action 1	Action 2	Type of Friction
Swimming		Fluid Friction
Stricker pushing the coins on carrom board		Sliding / Dynamic Friction
Bicycle on road	A child Roller Skating	
A boy trying to push a heavy box		Static Friction

Module 6

CRITICAL AND CREATIVE THINKING

CLASS VIII MATHEMATICS



- Q1. Write the harmful effects of poor AQI.
- Q2. At what time of the day is the sound pollution highest in sector 12 this year?
- Q3. This year, which sector shows the maximum awareness by not creating the noise pollution by bursting crackers?
- Q4. What is the maximum increase percent in AQI?
- Q5. What is the decrease% in noise pollution this year at 9 pm of sector 39 as compared to last year?

Q6. At residential area sector 22, if 500 crackers were burnt to produce 80 db of noise pollution. How many crackers they should burst so that only 50 db of noise pollution is created?

Module 7
Class 8 Mathematics
(Critical and Creative Thinking)

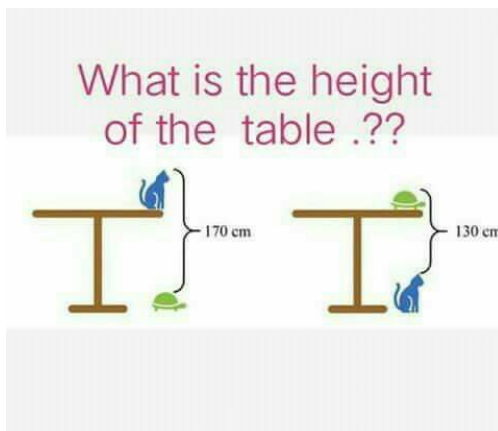
An old man was dying and so he called his three sons. He told them that he will give all his money and property to the son who is able to solve the given questions as asked.



- Q1. If $A3 + 8B = 150$, then what is the value of $A + B$?
- Q2. Let $E=3, B=7$ and $A=4$. Find the other digits in the sum: B

$$\begin{array}{r} A S E \\ + B A L L \\ \hline G A M E S \end{array}$$

- Q3. The product of two digit number is 1431. The product of their ten's digit is 10 and the product of their unit's digit is 21. Find the numbers.
- Q4. What is the height of the table in cm?



Q5. Find the values of p, q and r in the following multiplication:

$$\begin{array}{r} 3p4 \\ \times q6 \\ \hline 2124 \\ 106rx \\ \hline 12744 \end{array}$$

Q6. Find the values of A, B, C and D in the following subtraction: 8 A

$$\begin{array}{r} BC \\ - \underline{ABC5} \\ \hline D488 \end{array}$$

Module 8
Class 8 Social Science
(Critical and Creative Thinking)
Class-8

Resources

We are all aware of the current scenario in the world. We are also aware of the shortage of our daily needs and how judiciously we are supposed to use them. If we just ponder over the current situation we will realize a number of things we were told to do a couple of days back which we used to overhear, but realize that we were told to do those things for a reason..... Think about them???



Suppose you are in your bedroom and lights, fan and television in your drawing room are all switched on. What you do in such a situation? And why???

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