

Abhinar 27 Ix B Science 10. Fxa F=ma = f - D Under the same force, If mass increases force should increase but as that isnot F = 2maa,  $a = \frac{F}{2} = 2m$ is the acceleration is quatered.

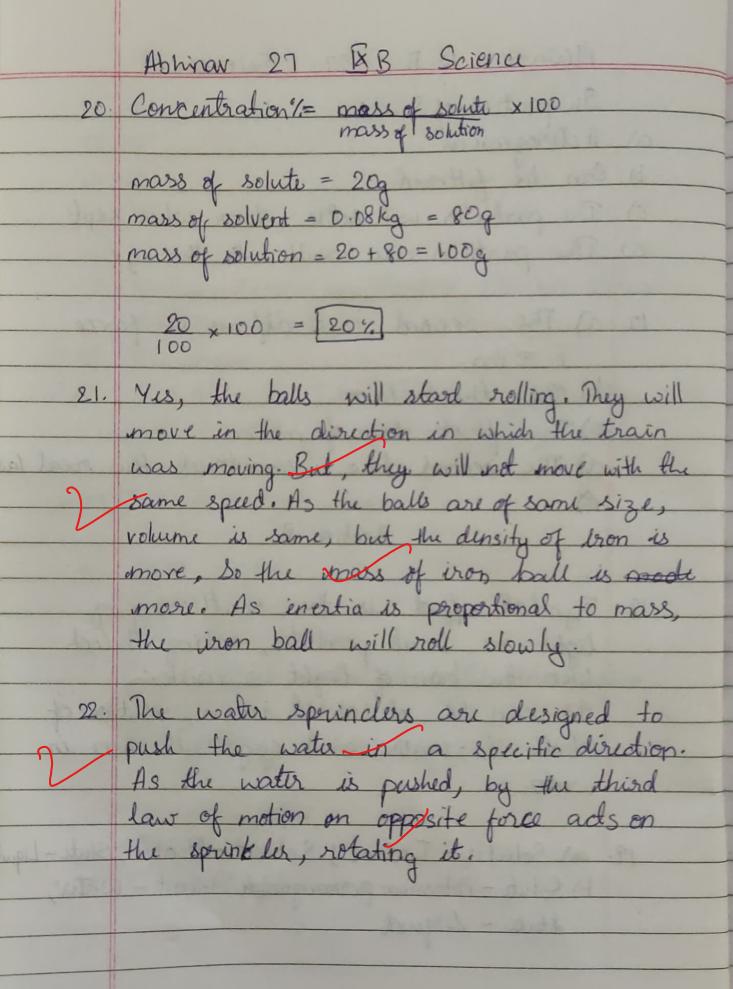
	Abhinar 27 TRB Science
11.	C
12.	A
13.	C
14.	B
15	9-17-613 00 7
i)	trichome/epiblema; Coxtex; Phloem tissue;
	Vaerulas bundla
ii) 淄	Parechyna
iv) ii)	ond is used for food storage and slow
	and is used for food storage and slow
	wansposi
川里)	It is a dicot stem.
	165 2 3 a s s
	Salt solution:
	a) Heterogenious
	(b) Cannot be filtered
	(E) It dosent sediment settle down when
	kept for a while.
	Rept for a while.  (a) Particles are too tiny to be visible.
	Sugar Solution;
a)	Heterogenious.
5)	Cannot be fil

Abrinow IXB 27 Science. Suspention of Sand: a) A eterogenious b) Can be filtered c) The particles will settle down when kept.
e) The particles are vissible to the eye. 17. a) The second hard defines a force F = ma

(b) The third law of motion.

c) The first law of motion.

d) The second law is considered the real law. Section-B 18. Tyndall effect is the scattering of light on small particles, making it look like the beam of light is visible. It can be observed in a solution of chalk in water and egg albumen in 19. a) Solute - I odine; Solvent - Alcahol; State - Liquid b) Solute - Potassium permanganate, Solvent - Water, state - Liquid



Abhinar IXB 27 Science.

23. Even after 3 years, the nail is only I metre from the ground. In trees, the epical meristem is present on the top and tip of roots, not in the middle. So the pail will be in the same location.

24. Cook is formed once he tree grows old. It is a secondary meristen. The cork is hard and is composed of dead cells. It provides machanical strength to the stem. It has no intercellular spaces, making thus, protecting the true from other micro ganisms.

## Section -C

25. a) Solubility is the amount of solute present in a saturated solution at a given temperate temparature.

i) The solubility increases with the temporation of solute.

Pota Potassium permanganate disolves faster

Abhinav IxB 27 Science
a) Dispertion phase is the substance getting
dissolved. (solute like) in a colloid.
Dispertion medium is the substances which
disolves the other in it (solverd like) in
a colloid.
b) Dispertion phase - liquid.
b) Dispertion phase - liquid. Dispertion medium - solid
the course on have thread the street
v = 0  ml
$v^2 - u^2 = 2 \times a \times 0.05 \text{ m}$
$-(0^3)$ $-(0.05 \times 2) = a$
$\frac{-10^3}{-10^4}$ $\frac{-10^4}{10^2}$
0.4
v= st u + at
$0 = 10^3 + t \times -10^4$
$-10^3 \pm 1 \times -10^4$
$t = 710^3 - 15$
+109 10
F = 0-01 Kg x 104
= 1000
The time taken is 1 s
1D

Abhinav IXB 27 Science 28. a) Pue to law of inertia, the fruits
stay in the same place, get detached
and fall down. 2 b) When you jump, due to law of inertiab?

You will have the same vebility of the bus, so, when you fall it wont be a and fall down. stright gump.

c) Due to law of invertice the moving from continues to rotate after it is offed. 33 Collendryma Parechyna -tissue Collendryma. Elong ated Parlachyma > They are isodiametric Their cell wall is thickness -> Thy have a thin uneverly at the ends. cell wall They are only found in > They are fill the olicot stems. places in cells.

## Abhinar IXB 27 Science Section-D

30. a) Meristematic ter cells divide constantly.

so their focous will be to have a prominent meeters necleus and a dense cytoplasm. Vacule is used for storing food. But the cell keeps dividing. So

b) Schrinchymatous alls provide support.
Having cellular spaces make them soft and weak. So, they don't have spaces.

c) Pear fruit has schrenchya cells, which are hard and origid so when chewing the fruit, we feel their granular and crunchy.

d) This is because of the collenchyma cells. They give fleribility to the true.

e) The husk of a coconut tree is made of scherenehyma fibers. They are extremely hard. It is because of these tissous that the huse is hard to pull out.

Abhinav IXB 27 Screnu. Section-A v) The part labled as A is the trichone of nutrients and minerals. It traps the air and keeps the plant warm.