(16.	5 2.7 IXB Abhinar Science.
20	
	BIO Section 1
1.	B
	A
3.	C
4.	A
5.	D
6.	B
٦.	$a = (v - u) = 0 - 80 = -10 \text{ ms}^{-2}$
**303m	8
else a	F=ma
2.5.33	= 0.1 x -10 Kg ms-2
	= - N
	Considering only the magnitude, IN
0	(C) A
1,	Momentum is defined as the product of
	mass and v
	P=mV
	Units and Kame-1 AT N/s
	Units are Kg ms-1 or Ns where,
	Kg-mass/Killograms s-fine/sedes seconds
	m-distance/netro N-force/Newtons.

Abburray 27 Ix B Science 10. Fxa F=ma =) a=F - D Under the same force, If mass increases force should increase but as that isnot F - 2maa, $a_1 = \frac{F}{2} \div 2m$ = Fxt $\alpha_1 = \alpha \times \frac{1}{4}$ is the acceleration is quatered.

	Abhinar 27 TKB Science
11.	c
12.	A
(4) 13.	C
14	B
15	0-17-03-00-7
	trichome/epiblema; Cortex; Phloem tissue;
	Vascular bundle
ioia	Parechyna 11 Th
	by is the pith. It is composed of parenchya cells
(1)	ond is used for food storage and slow
	transport
(0.5) \(\varphi\)	It is a dicot stem.
	1 6 5 2 m
16.	Salt solution:
	as Heterogenious
	(a) Cannot be filtered
	(E) It dosent sediment settle down when
	kept for a while. (a) Particles are too tiny to be visible.
	(B) Particles are too tiny to be visible.
	Sugar Solution;
a)	Sugar Solution; Heterogenious. Cannot be fil
45	Cannot be fil

Abrinar IX B 27 Science. Suspention of Sand: a) Heterogenious b) Can be filtered c) The particles will settle down when kept.

e) The particles are vissible to the eye. 17. a) The second law diffines a force b) The third law. 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 boarn 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

	Abbinar 27 BB Science
20.	Concentration /= mass of solution x 100
Jan	mass of solution = 20 + 80 = 100g
200	20 × 100 = 20%
21.	Yes, the balls will stand rolling. They will move in the direction in which the train was moving. But, they will not move with the same speed. As the balls are of some size, volume is same, but the density of from is smore, so the mass of iron ball is mode more. As inertia is proportional to mass, the iron ball will roll slowly.
	The water sprinclers are designed to push the water in a specific direction. As the water is pushed, by the third law of motion on opposite force acts on the sprinkler, rotating it.

Abhinary 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 1) 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. 1) 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 temporal Pota Potassium permanganate disolves faster

	Abhinav Ix B 27 Science
26.	a) Dispertion phase is the substance getting
100	dissolved. (solute like) in a colloid.
1	Dispertion medium is the substances which
al alle	disolves the other in it (solverd like) in
- 1973	a colloid.
3000	b) Dispertion phase - liquid.
- New York	b) Dispertion phase - liquid. Disportion medium - solid
0-	103
4	V = 0
2 4	
	$v^2 - u^2 = 2 \times \alpha \times 0.05 \text{ m}$ =103 ÷(0.05 x 2) = a
	$\frac{-10^3}{-10^4} = -10^4 \text{ m/s}^2$
	0.4
	v= tot u + at
may 17	$0 = 10^3 + tx - 10^4$
	$-10^3 = + \times -10^4$
	$t = 710^3 - 15$
a)	F = 0.01 kg x 104
	= 10001
(d	The time taken is 1 s
	ID

	Abhinau IXB 27 Science
28.	a) Due to law of inertia the builts
	a) Due to law of inertia, the fruits stay in the same place, get detached
about 1	are full court.
33.4	b) When you jump, due to law of inertial you will have the same velocity of the
12 15	you will have the same vebcity of the
The state of the s	bus, so, when you fall it wont be a
- sh	0.00
	a) Due to law of inertice the moving
+==	of Due to law of invertice the moving from continues to rotate after it is offed.
m Ha	The state of the s
29.	To the second district the
	(2)
Acres	533
-	The state of the s
THE STATE	Collendryma tissue
1	Hissue.
(3)	Parenchyma Collendryma.
->	They are isodiametric Elongated
\rightarrow	
Amuel	cell wall uneverly at the ends.
-	They are fill the They are only found in
	places in cells. dicot stems.

Abhinar IXB 27 Science Section - D a) Meristematic to cells divide constantly. so this focous will be to have a prominent mederns necleus and a dense cytoplasm. Vacule is used for storing food. But the cell keeps dividing so a vacule is not media. b) Schrinchymatous cells provide support. Having cellular spaces make them soft and weak. So, they don't have spaces. c) Pear fruit has solventhy a 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 e) The husk of a coconut tree is made thand. 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.