HALF YEARLY EXAMINATION - 2021

Sub. : General Science

		- Cilci	ar science		
F	Time: 3 hours	Class	: IX		
	nine: 3 hours	Marks: 90+10=10			100
ŗ. 1	. Write the answer	Group	- A		- 0 0
	 Write the answer (a) The melting p 	or following o	luestions:	1:	x5=5
	(i) 223K				
		(ii) 273K	(III) 300K	(iv) 100K	
	(b) Identify the so (i) Soil	gnonna nomu ew ebo2 (ii)	the following ter (iii) Air		
	(c) The Unit of F	Force is	iei (III) Air	(iv) Sea wa	ter
	(i) Mitre	(ii) Newton	(iii) Kg	(iv) Decent	
	(d) Which of the			(iv) Pascal	
	(i) Hydrogen	(ii) Oxygen	(iii) Boron	(iv) Iodine	
	(e) Universal gra	vitation canet	ant ic		
(e) Universal gravitation canstant is (i) 6.763x10 ⁻¹¹ Nm ² kg ⁻² (ii) 6.673x10 ⁻¹² Nm ² kg ²				0-12 Nm21ca2	
	(iii) 6.763x1	0 ⁻¹¹ Nm ² kg ⁻²	(iv) 6.763x	10-11 Nmlka2	
2	. Write very short			_	x5=5
	(a) What is dry i		g .	•	,,,,,,,
	(b) What is odon				
	(c) What is C.N.	G.?			
	(d) Write a name	of alloy?			
	(e) What is biotic	component?			
3.	(a) Write two characteristic of particle of matter.				
(b) What is solution? Write two properties of solution.(c) Write difference between mass and weight.					2
					2
	(d) Why should v	ve wear cotto	n cloth in sun	mer?	2
	(e) Convert into K	Calvin scale	, A		2
	(i) 25°c (ii) 373°c			
	(f) Write two difer mixtures?	ence between	homogeneous	and heteroge	neous 2
	(g) What is called a	acceleration? V	Vrite the S.I. u	nit of accelera	tion. 2
	(h) Write two diffe				2
	(i) What is uniform				2
		S	+		2
	(j) Prove that, $v =$	7	_	_	
4.	What is called eva	poration? Wr	ite two factor	rs of evapora	iion. 3

5.	A bus decreases its speed from 80 km/h to 60 km/h in	۹.
_	seconds. Find the accelaration of the bus.	3
6.	Write the Universal law of gravitation. What is the value	of
7	accelaration due to gravity "g".	3
8.	Write the 2nd law of motion. Prove that, F=ma.	4
0.	How can we seperate a mixture of two immisicible liqui Explain with diagram.	ds. 4
9.	(a) Write the law of conservation of momentum.	2
	(b) Mass of an object is 10 kg. What is its weight on the Earth?	
10.	(a) What is water pollution? Mention two factors and to	. Z
	effects of water pollution. 1+2	
	(b) What is called Acid rain?	2
11	•	
11.	An object crossed 16 m in 4 sec. and then the same object crossed 16 m within 2 sec. Find out the average speed of the same object.	ect
	object.	ne 4
	Group - B	7
12.	Write short answer:	=5
	(a) Who discoverd cell?	,
	(b) What is tissue?	
	(c) What is the unit of DNA?	
	(d) What is plasma?	
	(e) Where is cellulose found?	
	Why mitochondria is known as the power houses of the cell	? 3
14.	What are the functions of Golgi apparatus?	2
15.	Draw a labelled diagram of a neuron.	3
16.	Write the differences between Prokaryotic cell and Eukaryo	otic
	cell?	2
17.	Write two functions of stomata.	2
18.	Write the difference between Xylem and Phloem.	2
19.	Write two characteristics of Cardiac muscles.	2
20.	Write a short note (any three):	3x3=9
	(a) Lysosomes (b) Meristematic tissue	
	(c) Plasma membrane (d) ATP (e) Blood	
21.	Project.	10
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