OAGE: __/_/ Include diagrams and illustrations Use clear and concise languages thicity - Labe diagrams and graphs clearly Provide detailed explanations and examples ferentiate between a enkaryotic Double-checkdoalegiations for Prokavyotic accuracy Eukaryotic Organize answers with he rokaryotic cells multice with as are unicollular > They have one They have two mem branes cell membrane. Eukaryone cell is an -> Prokargotic cell is bacterium. organism consisting of many tells. 7 Most common Most common components are mituchodina ourd umponents are endoplasmic Reticulmin. Pentology can and cytochrome, Excuple: Animal plate 7 Bacreria and fungi algae protozoans archaea are two types of Pro Karyotes.

DATE: / /	W WEIGH
b. what is global Warming? what is	
Koyoto protocol?	
Global Warning: - the rise in average	
quibal temperature du to increase	
in concentration of green house gases	
in the admosphere.	
- A green house gas is the gas that absorb	
and easit radiant evergy in the	
thermal inflored range and cause	
green house offect ie trapping the	
heat in the earth's atmosphere and	
increasing the glabal temperature.	
- most common green house gases include	
chlorofiono Carpons (CFCs), hydrofiuorocarbon	
(HFCs), carbon disride (CO2) and Methane	
(CHy) etc	
Koyoto Protocol :-	
Acyoto protocol is as international environment treaty Signed in Koyoto Japan in 1997 and implemented on fewary 16 2005 by wuntries.	
environment, really signed in Koyoto	
Japan in 1997 and implemented on	
February 16 2005 by the wuntries.	
- Its main aim was to bring green house	
-> Its main aim was to bring green house gases to 5-2-1. below the level it had	
3n 1990s.	
7 It aim at reducing deforestration and	

	DATE:	
CHERT	promoting Rejoiestration, avoiding the use	
	of fossil fuels and shifting to renewable	
	green energy sources.	
	c. Write a detailed Note on 615.	
	Geographic Information System is a	
	conceptualised famour designed to	
	capiture, evaluate and analyze all	
	forms of geographical & spatial data.	
	- use for storing analyzing and	
	visitative data for geographic positions	
	or earth Surface	
	- Attows users to understand patterns and	
//	relationships in the data, such as by	
	displaying multiple types of data on a	
	single map	
	- some of the main functions include	
	7 data granagment: stores geographic	
	Locations	
	r visualization: displays geographic data	
	- Analysis: spatial relationships and patterns	
	Data creation and editing: create new	
	data o east enisting data.	
	9 00000	

	DATE:/	
	d. describe Antioncidants	
	Anti Oxidants:	
	- Anti oxidants are compounds that inhibits	
	oxidation, a chemical reaction the	
	con produce free radicals and chain	
	reactions that may damings the cell	
-	of organisms.	
	The same that the one of Andi Avidant	
	-> There are two types of Antionidants -> 1) water somble Antionidants	
	water soluble anti-onidacts reacts with	
1	midant in cell cycol and blood	
	Playha.	
:	· They are water soluble, thus they	
	court be stored in the body.	
	Examples include Ascorbic Acid(VC), Grutathione, lipoic Acid and Unc	
3		
	A-eid.	
ī	-12 Fat-Soluble Anti-Oxidants: are l'oit	
<u>-</u>	ruembrare from lipid per oxidation.	
	. They are fat soluble, thus they	
3	can be stored in the body	
	· Example include viramin E, Carotones,	
	is evigne de	
4		
T		

;

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1 DATE:

DATE:/	And the second s
Qno.3	
a. Explaine and draw structure of	-
The Sun.	1
Structure of Sun:-	
and the same of th	
Upper Chromosphere	
Lower 1000,000	00
Chromo- Sphere 400°C	
Photo- Sphere Goode	
60000	
Convection	
3 Tachoclin	e
Ocore @Radioactive	
Zone	
Structure of earth consists of Uparts	
O wie	
(2) The radioactive zone	
3 Tachocline	
(a) convection zone	
to a testing of the second towns true	
core is the region where hydro atoms the	
through nuclear fusion reaction into	
Helium atoms, the radio active zone	
transports the energy produced by	
radioactive diffusion and thermal anduc	tim,
tachocline is a min layer around the rac	Lig-
active zione and convection zone uses	
convection to transfer energy.	

Layers of Sun's Atmosphere: There are four layers of Sun armosphere ie arona the outmost layer with Surface temperature of about 1000000°C, then the upper chromosphere with 10,000'd 4000°c temperature and the inner most. layer photosphere with about 6000°C Surface temperature. -> corphogives off highy changed particles that travel away from suncalled Solar winds. The upper above phere of sun consist of Sungacts, coional holes and Solar flares-Lorona gres off b. What is tsunami? How it is generated? Give example of a few recent tsunamis. Tsunami: is a series of extremely long waves lawed by a large and Sudden displacement of the ocean. - Tsunamis are usually caused by earthquake, landslide or volcanic eruptions, below or near the ocean f100r. > This creates waves that radiate outward in all directions away from their source sometimes crossing entire ocean basing.

DATE: / / /	
- one of the tew Kunamis occured recourty	
Hunga Fonga - Hung Holapai volcano	
exped on January 5, 2022 and	
producci a strongest tranami ever	
reproced.	
-7 In 2011, in Sapan a 9.0 magnitude earth-	
grace generated a trunqueri observed	
involghent the pacific region lausing	
tremenduos local devastation.	
c- Disscuss Environmental Pollution? what	
could be its harmful effects?	
Give a few measures to curb it.	
- The environmental degradation due to the	
addition of horning substances is known	
as environmental pollution.	
- There are three kinds of environmental	
pollution le land water and air.	
- land pollution includes litering, and	
waste material from inclusines and	
sewage That degrades land Surface both	
above and below ground ewel. It's harmful	_
effects include soil errosion deforestration	
and barren land.	
water pollution includes, oil spillage from	
largaes, servage waste dumped into occeans	
and sear, causing threat to marine life	-
autot spreading disease and contaminati	ng

drinking weller. Air pollution includes the addition of harmful goves into air like green house gases that are not only contributing to Giobal warning, smog, Acid Rains but Cause health harardous like respiratory problems and even cancer. 7 A few measures that could curb environment pollution are clean and green practices like Shifting to green energy sources and Sustainable practices, utilizing the suternational patforms like COP for. bringing the world leaders to adhere to these sustainble green practices and policy reforms

DATE: ___/_/

DATE://	
Total slices would be 2x+3x+4x=28	
9x=18, x=2	
Slices of Small pizza= 2x=4	
Stices of Small pizza=2x=4	
$\log e = 4x = 8$	
Total weight of pizza 18x40gm	
=720gm	
Price of Small pizza = 320 = 160 Rs	
Now price of large = 160x3	
Pizza = 4BORg.	
Price of large Pizza = 160 x4	
= 640ks.	
Total price = 320+480+640	
= 1440RS	
c. Solution	
Diameter of a circle = d = 6cm	
Circumference = 271 = ?	
area of a circle =?	
A = Mrz	
Radius $r = d = b = 3cm$	
2 2	
T = 3.14	03
Circumference = 2(3.14)(3) 3.14	314
= 18.84 m	200
Area cf a = 952 9.42	28.26
circle (3.14)(3)2 x2	
28.26 cm ² 18.84	

	DAJE: _ /_ /	for W.
d.		(3
	Identif the missing i- 13,24,46,90,178, 354	13
		24
	11-569143130	24
		48-2
		46
0		92
ano.		90
	Solution:	90
	width of a rectangular room is = 60% of its length	180
		0,92
	length of clawroom = 15ft 607 of 15ft = 15 x 0.c = 9ft	178
	so, width of laugth clawrom = 9ft	3,5%
		35
	Avea of Rectangle = LXW	×0.0×
	= 15.49	90
	A = 135 ft	900
	b. W5	
	20ft ?	
	48ft <u>E</u> W	
	Right angle trangle	
	base = b = 48ft	
	perpendicular = p = 20ft	
	byporenuse = ?	,
	Apply pythagorus theorem	
	h2 = P2 + b2	
-	$h^2 = (20)^2 + (48)^2$	
	Taking square root	

DATE://	RW
The TESTO	30 909
h2= p+ b2	13.10-10
h2 = (20)7(48)2 = 400 + 2704	140 - 7257
- 12 Variou = 5-1+	370
- If she (seena) would have ru	n straight
there from where she starte.	d she
would cover 52ft distance	1 352
C	2/378
NO. of Students in the class - C	
Average marks = 52,15	
marks of Student mistaken 4	19.0085
	/
Average marks of Student =	Sum of culmarks / R.W
	No of Students
	3,00
Putting volues, 109. sum of all	/
52.15 = h - 49 + 85	20 X
52.15 x 40 = n - 49	
$\frac{1}{2086} = n - 49 + 85$. 40
2086 = N-134	20000
N = 2220	2086.00
New Average manys of Gruden	X = n
	students 49
	J. WOLLING
	= 220 F086 505
	= 55.5 40 200 o
	220

i o getable People like pizza = 37 scople like chicken pilla as people like neither 3 Total pieza prople = 65 probability of People who like vegerable pizza = 34/65 101 People who likes Chicken pizza = 25/65 Prob. of people who like weither = 3/65 Probability of chicke pizza lover = 255