Name:	Ayesha Nas General Sci	to Ability
	WERKAL ST	
Follow, s	solution ste	ep by step
solution	Intelliged Pari	dr maths
portion	name mande incrementa s'est estatuandos sus sistes fações estatuações de mismo sicuridad.	anteriorista de la del conserva in conserva tria conserva e constituir de la conserva tradecen
Given de	telion. II	
To find o	ut ()	arvas sustaturi mistavito ku divolo copia, intervincia di a contrattore soli sum un susubidanno com
Solution	Q. no.6	
include c	nagrams i	n answers
man ordered		pizza.
No. of per	nons = 18	· · · · · · · · · · · · · · · · · · ·
	a slices = x =	+18 rehaire a -
	which slice	
2	3 . 4	
Hence 2 pards of	18 = 4	
and 3 parts of		
and 4 parts of		
so slices one		ne ratio
4 ;	8:8	and the second
of the weight	of a singl	e sice is 409

MONTH.

	Oate:	Ony:	
ibox	Now		-
See Francis S	management Area	$7 A = 7(r^2) (radius \pm r)$	Spenier (
	tofind radius	we divide olameter into half	ekirje
-		= 6 = 3cm	iji siy
			(SE)MI
Committee of the	3cm)	By pulling value of ro	likigi
	The second second	$A = 3.14 \times (3)^2$	ri-dik
		A = 3.14 x 9	ross
		A = 28.27 cm2	-
		(a) (a) (a) (a) (a)	_
	Identif	the missing!	
	13, 44	, 46, 90,178,	
<u> </u>	Find the c	ifference, on	
		24 = 11 points	
		46 = 22 points (5)	-
	At is observed	that the difference bother	
	the two poi	nts is multiplied by 2 to get to	
	the next p	oint in the second of the second	
,	4,11.x2 = 22	22x2=44 interit	
		44 98 190 P	
	13, 24, 46	368	
	By muti	stying 190 x2 we get = 368 - My	

si) 5, 6, 9, 14, 21, Find the difference 5-6=4 6 - 9 = 39 - 14 = 5It is observed that odd number series is followed to find the next digit in the row. 4, Odd number = [1,3:5,7,11] 5,6,9,14,21,32 21 + 11 = 32 Ans II il. 241.09.49. 44 Q.no.7 (a) Distinguish IQ and EQ! Intelligence quotient Emotional quotient Given by: Chilada Givenby: 1. Alfred Binet 1. Daniel Goleman Conceptualization: Conceptualization: 2. It is a stell used 2. It is a stell used tajudge the cognitive to judge me allites of a person emotional capabilities

of a person. 9t . It measures the measures the ability analytical skills person to control reasoning wilities and regulate Lis actions and logical conclusion and reactions, compania finding ability of empathy and graspiq. a pesson. Ablication Application: Mostly required Mostly regard do tret persont boost to educational a reduce any ability. purposes. Variation Variation: It is an inherited It is a socially constructed phenomeno trait renaine relatively stable ut can be enhanced throughout life wastime worm mes, yeld Formula: Formula: IQ = Mental Age x 100 EQ = WX I.Q Chonological Age where w = wisdom (b) what is the present. Present age of Adam = x De after 20 years = x + 20 Age 10 years ago - 1x - 10

P. TO

and, After 20 years Amons age will be thens of his age to years ago! x+20 = 10 (x-10) x+2 = 10x - 100 20+100 = 10x-x 120 = 92 x = 120 ly divoling 120 by 9 we get = 13.33 the Approxage of Aman at present is 13 year and 4 months. and so (C) the shows placed Peler can mon the lawn together. Peter can mon = Jaime per minuto John can mour = 1 day no perminute If they work together - 1 + Take L. C.M = 130 +12 # 5 By solving it we get - 1 If they both will now together they will

take 24 minutes for that Jawn. A person multiplied ---- - calculation To find error 1. error = Actual value - Incorrect value x 100 Actual value By putling values Actual value = x x 5 Incorrect value = x x 3 Hence, first take difference = x(5)(3)x xx16 By petling values into the formula x 100 by cutting both x 3 th 100 100 we get, 16 3 x 100 by multiplying The get 48 x100

by gluiding Aproximately 64% error is found. (Seaton I) Q.no.3 Explain and draw structure of Sun! Corona Photosphere _Radiative -chromosphere Sun: Sun is the Certoal star of solar system and primary source. of light and heat for Earth and other planets orbiting him. Man: Its man is 330,000 times of Earth.

Date:

Temperature: Ite different layers have different temperatures the temperature at love is lighest ranging from. 15-16 million Kelvin and the temperature at woma, the outer layer is 1-3 million Kelvin. Composition: It is composed of 74 percent Ha (Hydrogen) 24 perent He (Helium) and 2 percent heavy metals. Parts of sun: It is the inner most pail where fusion reaction is taking place Hydrogen fuses to form thum gas. It is important to provide warmty in the who solar system. in town to town 2. Radiative zone: Here photones break and release a large mount of energy required to push heat out of the body of sun! 3. Conviction zone:

Here hat plasma rises and

and cooler plasma links thus maintaing no dency of un. 4. Photosphere: It with light to the whole solar system. It is the nable zone it at can be seen from Earth. 5. Chromosphere: It is a raddish this layer only visible during rolar eclipse 6. Corona: It is the optimos and the biggest layer of sun that is spread in Thousandy Villaneters in space and is visible in total solar eclipse in which the contract of the contract What is tsunami. ____ tsunami Tsunami: It is a seizes of large ocean waves caused by sudden displacement in ocean beds and near the coast." P.T.O. Ed. Will

	Day:	
1	Courses of generation of tsunami:	
	1- Earthquakes can cause the waves 111	
	of water to displace due to the	
	movement of tectonic plates in	
	ocean boon.	
	2. Volcani emption can be a source of	
	causing trunami, particularly when	
_	underwater volcano: emopts:	
_	3. Landsliding or rock fall in	
	ocean can ithrow a beg pail is	
	ocean water out	
	4. Meteorte impact can cause trounami	
	by its gravitational pull over the	
	surface of ocean causing wines ito	
	rise high in the sky and gall	
	over realby coastal areas.	
فد	Examples: Sook Hit work	
	1-2023 - Turkey - Syria Tsunami Sand -1	
	2. 2012 - Tonga tsunami in pacific ocean	
,	3. 2018 - North-east coast of US	
	4. 2016 - An Japan	a .
	The said the	
	P.T.D.	

(C) cupit Define environmental. Environmental Pollution: It is the introduction of hamful substances or pollulants into natural ecosystem causing adverse effects on human health, bio diversity and overall planet. Types of environmental pollution: 1 - Air Pollution 2- Neser Pollution 3- Soil Pollution 4. Noise Pollution 5- Thermal Pollution 6 - Radio active Pollution Impath/Effects: 1-Acid rain: The droplets in air carry poisonous gases and smoke present in the air. and wen this rain fall on plants it ours plant death or allegt leave malfunction. Apail from causing skin and eye injections in human's and

1- Amonal precontions By washing hands, wearing mask, and goggles, olinking safe water 2 - Romewable energy resources: By using the cow dung, air , water and thermal resources to produce power rather man forsil fael consumption 3. Use of public transport and electric cons To reduce the consumption of leaded petaleum and emmission of CFC's (Chloro floro Carbons) 4. A forestation: By launching further program! like billion tree + sunami to manage the carpon density in air. 5. Reduce - Reuse - Recycle: Reduce polliting of nimmon further greate plastics and others. substances that do not decompose easily and tecycle to have and share natural to the survey and the state of the state of restation and a lost of the

Condition.

working of Satellite. 1- Salellite work by orbiting the Earth using gravity to stay in its trajactory. 2- Atransmits signals in the form of data, images, radio waves, and UV 3. Satellites rely on solar panels and batteries for pover. 4. Functions that satellite performs are GPS navigation, Communication, caientific research of rearch and rescue , astronomy, enote sensing and observing weather and other planets. and G. no. 4. The said N What is hapatitis ___ prevention. Definition: B. Jakony Hepatific is an abnormality Coused due to malfunction of liver; mainly production and filteration alad."

Types of hapatities 1. Hepatitis A: It is caused by hepatitis A viny that is transmitted to human body via flics, feces, comaminated Good sursafe wast. Its the basic type. Symptoms Dark color unine - light color stool Preventio. - Extreme fever by paracetomol - Loss of apetite by roft diet 2. Hepatitis B: It is caused due to blood transfesion from a contaminated person and exchange of body fluids: Symptoms Jaydiced skin Typhoid ... weakness and body pain Safe sex - Handwashing . . - vaccines:

9t is caused when a 3. Hepatitis C: person gets, in touch with ine blood of a carrier of hepatitis C vinus and continuated syringes Cymptons 3 - weight loss - Spontaneous bleeding Revention: - safe blood transfusion - Blookscreening safe cex - Hygiene machine 4. Hepatitis D: 10 1000 1000 1000 It occur in people already injected with hepatilis B Symptomy (amortimes) - Fatigue - Diarrheam many 11 - Pain har disud say - Pale skin Prevention and care Vaccino of hepatitis B Rest

-		Secretarion.	-
-	- Fluid intake	·	
	Hepatitis E		
	9t is caused by consuming	widow	. esti
	contaminated good and water, good		diam's
	anat is not properly cooked or		
	is stale or contaminated with		
-	poisonous substances causes liver		
	malfunction.		
	· symptome		
	- Abdominal pain		
	- Vomiting		
	Fever mixely may be had		
	- Diarnheam		
	· Prevention and come	11	
	Crood for of	1	
	- Clem water		
	Active and Parrive; va Conation		
	al telegraph to the open in which we		7
	(b)		
	Methods of food preservation	s I	
	Definition:	V.	-
	It is a proces or technique		-
	used in other to mentain internal		
	and extend factors which may		*
	may may		-

Date	
cause food spoilage	
Methods of pood preservation:	
1 (a) a) magaziand	
By cooling the Good act	
don than 10°C to work	
of micro-organisms and reducing	
grub of bacteria and other good	
Contamines.	#
2. Chemical reaction:	-
By saving food using	
sorbic acid, sodim benzoare	
and Sulphun distide (SO2) thes	
method is less common.	
3. Sun drying	
This mer od is done by	
placing meal ovegetables and fruits	
in sun and air so that all the	
moisture is emporated that could be	
Condustre for microbial growth	
- 4. Heat is my bond to should !!	- 1
The method is reformed by	× C
applying heat to the food and	
denatury its enzymes. at 121°C	~ .
br more . Heating can be wet sodry	
	- 1

or via paskerisation 5. Acid: The acidic reaction with food reduces grown of backage protein that produces smell and had tote of food yter you days. This profein is broken down by acidic reaction. 6. Sugar or salt preservation: In ancient times sugar and all brine was made it save tood specially meat and regetables for a long time socially till next season Now-a-days Salt preservation technique is used to make pickle as well 7. Smoke They kennique is used by grilling the regetables and meat with the hopp of smoke and head produced by burning of wood. B. Radio active rays: and other invelengthe are applied to same food from spolling.

(4) Festilizers and types. "These are substances" applied to soil to supply essential nutrieds, beneficial for plant growth and increase agricultal productivity of soil Types: 1. Nitrogen based These fertilizen are good for leaf health and boost process of photosynthesis - Urean Jane 1 - Ammonium nitrate 2. Phosphorous based These fertilizer provide vitads for voots nusture that absorb water and minerals from No !! - Triple super phosphate 3. Potanium based It develops immunity plants to fight multiple

injections and help in water conservation and regulation, KCl. 4) Compound fertilizers. There are mixture of above montimed fethizers for enhance of productly by. - Nistro prosphate 5) Organic feetilizels: These are collected from natural resources and contain living organisms that increase the ornall soil fertility. - Alue green algae. - Azabacter 1 (d) Anatomy of Tooth Inhoduction: Ituman beings have 32 teeth present in the oral cavity of the digestive system of human hour. Teeth are used for cheering a bitting? grabing smile and to maintain The smether of jaws as an

essential part of face. Parts of a tooth 1) Enamel: 9t is the hard protective owterlayer of footh that covers the crown. 2) Dentin: dilyon dilyon It is a soft layer inside anamal required to hold the took smichine and giving it a proper shape 3) Cementum: It covers The post surface and anchor the took to the jan bare. 4) Crown: 9t is the white visible part of the took that needs to be cleaned twice a day for healthy maintainance 5) Rool: 9t holds the toot to the jaw and provider blood flow to the living part of the tooth. P.TO

6) Gum: Com surrounds the took bone it is the pinkish visible part beneath the crown 7) Jawbone: Jawbone is required to stability to the face , mobilify of mouth and chewing of to Diagram: Coon Dentin Gum _Blood versels _Lateral Canal Perous - Alveolar bone. 0.0.