4SA MOCK

ECTION -11 Question No. 6(a) Sum of 3-digit number = 15 Sum 10th and Unitaligit = 12 Difference blw 10th and = 2 2-15 Nows = 12 So. h+ y+2= 15 7 + (12) = 15 7 + 15-12

	n ty + 2 = 15	
	3+7 +2= 15	
	7= 15-10	
	7 = 5	
	196 10 000	
	Three digit number = 375	
	check = 3t7r5	-
	= 15	
	Question No. 6(b)	
-	Choston Mo. O(2)	
	Pizza sizes ratio = S: N. 3L	
	2 % 3 %4	
	People = 18	-
	Slice/portion per person = Islice person	
		-
	Price of small pizza=320	
	Price of small phase 320	
	Slice per person	
	=> Since they are 18 it	
	means 18 slices are	
	avai lable	
	\$ 6	-
	Given ratio is	

	DATE://	
		41
	շ։ 3։ Կ	
		-
	Sum of ratio = 2+3+4	
	= a slice	
	and if we multiply by 2	
	to meet slice condition = 18 slices	
	Ratio (New) 12 S:M: L	
•	40114 6 : 8	
	$(\varepsilon)(H.\varepsilon) = -(\varepsilon)(H.\varepsilon)$	
	Now Parks (Fig)	
	small pizza has 4 miles	
	weight Price - Price per still	4
100	=>40×14 Rs. 320 > 320 Rs.	
	= 16 grans 4	
	13,24,346,40,176,21	
	Medium Pinia	
	= 40x6 => 80x6	
	= 240 gras = Rs 480	
	10 = C1 - BS	
	Pizza large lasa vanil system of the personal	- 100
	=> 40x8 => 80x8	
	= 320 gm	
	Total weight Total Poia Poia	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	= 720 gmsq b = Rs. 1440	
	Chour Min !	

 DATE://	
Question No. 6(c)	
Dia = 6cm =7 R= 6/2 = 3cm	
Circonference =?	
area =?	
 · (0.11) -//-	
 = 2 11x A = Tx2	
= 13·17) (3) - (3·17) 6 - 3·17 x9	
= 19.02 cm = 28.53 cm²	
Question No-6(d)	
13,24,46,90,178,7	
13, 24, 46,90, 178, 354	
24-13 = 11	
Preceding number 15 (\$ X2)	
178-90=88 where n=11 as the first difference	
5,6,9,14,21	
5,6,9,4,21,30 are being added in the	
nedt number.	

Write all steps of problem solving

Justion No. 8 Question No. 8(a) width = 60% of length Leng th= 15ff 15 x (0.60)= Long th = 15% = + Width = 9FT Question No. 8 (b) 20ft W 48ff (AC)2= (AB)2+ (BC) = (48)2+ (20)2 2704)

DATE://	Ni.
	:
J(AC) = J2704	
The state of the s	
AC= 52FT	
Question No. 3(c)	
Students = 52:15 average	
Total students 40	
Mark inhorrectly entered = 49 instead oh 85	1
0.83	
Total sum = 52015 x 40	
= 208.6	
= 200.0	
Difference of score = 85-49	
= 36	
New total = 203.6+36	
= 244.6	
1404	- 10
New average = 244.6	
40	
Average = 61-15	
TOALS	430 m
(04) (34) (84) (84)	
(10) (10) (10) (10) (10)	

	released as by-products during industrial domestic
	or commercial processes into the invironment. These
	toxins are not limited to the harmful gases, but
	also the solid waste entering the walk ways
	and the garbage burned/dumped on land.
	Environmental pollution has become
	a major problem across the world as today
	the world is suffering catastropices because of
	thes reckless attitude.
	Thoso billy for the who we will all the
	Effects of
	Evaronmental Pollution
	Biodiversity
	Climate Charge Loss
	Economic and Emancial
	Enhanced green Experience
-	House Effect Species Increased
	Food Scarnity
	Rise in Droughto,
	Temperatures, Smog Mass Migrations
	Jealevels and Abnormal
	weather Events.
	Reduction in Colonia
	life expectancy
	(Human, Plant, mimal)
	UNEP-2013)

DATE:/	
radeo, wi Fi (wireless Fide W	y) and so, on.
Wireless communica	U II
use of different short and los	
signals often are in the vo	
infrased domain. Satellike	
is also done through wire ma	
Wiveless Communication	
Ly 562 Comm	nunication via Jakllia
1000	
a full phone law	wi ,
LAVE .	
The part of the pa	7 «4
Jon H H	<u>L</u>
- Recieves/Transmitte	Base Station
- Station A	B B
Working of Catellite	
A satellik depending on its u	sage is placed in
aither as good stationary or pol	ar orbit.
	(Harness Solar
	Solar Energy from the
- (Communication)	Manel Sun)
- done only Con	mand and
- Lone of Signt	Senso-Module
Pinciple)	Communicate and
-	send bala to Earth,
	Reeps the satellites
	the satellites affairs)

Solar panels power the safellife's command vant data signatures vestion 3/a -Corona Chromosphere Photosphere SUN onvection Zone Radiation Lone Core 1) Cove & Temperature & (15 Million °C) this where all the fosion reactions between Itelim and Hydrogen takeplace.

	DATE//
	The core is also the densest part of the sin-
	in it will be a control of the second to
12)	Radiation Fonce
	The energy of the cose by the medium
	of radication and the mal conduction is transferred
	Form the core to the contride thereby travels
	in the forms of photons. The photons transfer
	energy to one another via collisions
(3)	Conve chian 3 ones & Pemperature: 200 (20000000°C)
-	The outermost tayer of the
	Sun's interior. This zone uses as the name suggests
	ignice to temple energy In this zone, some
	elements retain their ions electrons as the temperature
1	Ps low enough.
(4)	Photo sphere & Tempe rative (6000°C)
	This) the teepest layer of the Sun
	and temperature is one of the lowest too. This is
	the visible surface of the Sun
	0.4
5)	Chromospher (Temperature 10,000°C)
	The chromaphere is notter than
	Photosphere and the colour that Pt emits 95° Red?
	The chromosphere also emits jets of hot games
	at extremely bast speed which travel long
	distances
	which again the bas with inside

6)	Corona (Temperature 2 million °C)
	The corona & the halo or the crown
	of the Sun. The corona & hotter than the photosphere.
	The corona carries the solar winds produced by the
	Sim. The later of
	when it is the property of the
	D . 2/1)
	Question 3(6)
1.	
	Tsuname
	art vacant leis high the arona all havair
	A Tsunant is an natural disaster
	that occurs due to the sudden vertical displacement
	of the ocean floor. Tsurami are the result
	of earth quakes and slides or any movement
	that cause the the ocean floor to rise by
	hall. When the ocean bloor rises, the water
	also does too. The in carried in longitudinal
	waves till the shore, where upon impact it
	diseminatis.
	dadoniely (2006) I was (2000).
	deplace of Formation of she delicemental
	Tsunamis
	(Lace) and thickers are constitutions
	Earthquakes Landslides
	When plates of the When land mides
	Earth collide with each large masses of debris
	other, the ocean floor enter the water body

	raised or dropped. The and floor raising the	
	resulting potential energy water level. This	
	Pr carried by water till Causes the Ismani	
	the shore where upon to occur and water	
	contact it converts itself bod & pushed in land.	
	and changes / didisse makes	
	the energy.	
	Meteor Impact " Sea floor Collapse	
	When a meteor , A seafloor collapse	
	impact the ocean meght happen when	
	floor, it contains the fectionec plates	
	alot of energy that shift causing a large	
	energy raises the displacement is the	
	writer level resulting water body's level and	
	en a ternami. Per turn a tsuname	
	We will a few of case of substantial	
	Mach Broken last all all interest	
	Recent Tsunamis	
	Indonesia (2004) Ionga (2022)	
	hit by earthquake and later Ismani then Toman	-
	hit by earthquake and later Ismani then Ismani	
	Japan (2011) Mediterrean (2013)	
	Fukushima Island, were After Earthquake in	
SAR-	hit by Earth quake and Turkey-Cynia, atsunami therby Tsubami. was observed.	
	typy Tsymami. was observed.	

	DATE:/
	Guestian No.4
170	
	Question No. 4(1)
	- Notation and Manager and South Based and Aller
	The all coop kinds is along on not will be
	Problem Born How with a some of sold on the bold
	Food Perservations
	Curing
	Salt has been used to brying
	cire the pods, the salts
	remove the moisture and the foods are hung
	then it is left out to out in the open to dry.
1-1-	ary. This mand is the bight from the sin remove
	traced to the gricent the moisture from the frods.
	Egyptians Mainly It is a bit time taking as
	done on meats. Curing quickly removes satt
	mois ves.
	Freezing Astifical
	Freezing & another way Verservatives
	to preserve foods. Foods Artifical perservatives
	are stored in rub-zero are used as a tom cos
	temporature where moisteres after value to the not
	can I liquipy. These temperatures These atipicially increase
	help maintain the molecular the fords shelf life
	structures of the foods. and conot allow the
	Loud to go rancid.

DATE: __/__/__ Justion No- 4(c) Fertilizers Plants need vareous nuitrients to surive and thrine. These nuitrients are sourced from the soil fertility, fertilizers are used. harming the soil loser alot A fertilizers Fertilizer are used to enhance boel. Types of Aithogen Festilizer Phosphonous are used to increase | Festilizers Potasseum Fertilizen

value issed to incicane The relative of are used to Nitrogen in the the phorphorous Priease the value in the soil. Thes ! the value of most common woil type of festiliza In the soil. These fertilizers are blended then used as one mintere to fertilizer the crop. Ovestion No-4(d) Explain complex concepts simple terms. principles. Dentin to illustrate prod Discuss practi scientific conce Ligament Bone