Date: _ value 9 5 n-5 = 3(25) n = 75A5Bo Hence present age q follow Ans is 80 years Part: b siven data: Mean of le 30, y, and so is 30. 10 Final: The Make of y. Solution: As Mean-forunda is Mean = Sum of numbers or amount or values By applying the formula No- of values 9. tu given data, there are total foir yours and their meanis 50.

WEER Ellenkenn

Day:	Date:
	Hence by poplying datus into formula
	we get 6
	50 = 10+30+9+50
	<i>H</i>
	200 = 90 + 4
`	200-90 = y
	1 110 = y Ans
	Heace for where of y is 110.
	P.
	Part:c
	Missing terms:
	i 2,6,18,50 162
	i, 2,6,18,54, 162
	Colition to the spinon
	Solution: lue every ferm in the gricea data is maltiplied to 3: For
	example, 2×3=677 ee 2nd term,
	6x3=18 >3rd 1erm 18x3=54 #h
	tem. On Tw son pattern to 5th
	term unil be 54×3= 162. Thereby,
	answer is [162]

nce the water of 4 is 110. Part:d Criven: Product of 2 newbors = 320 Their Ratio 0= 1:5 To Find: Difference between & canone a two numbers data is mythin light to 3. Fi Solution: let suppose tu jet nomber ris n's and two others number is ten our pattern 16. 5.19° Legar Unil Ex 54x3- 162, Perch

) _{av} .	Date:	
	Hence, by applying two supposed	=:
1	natures me el get:	
+	O CAR S	
1	Product of two numbers = 320	
1	$= \frac{1}{2} \times \frac{1}{4} = 320$	
	$\therefore \text{21} = 320 \text{-31}$	*
1	Civilarly,	
	Ration of two no 1:5	
	7 3 y = 125	
1		
	$\frac{y}{y} = \frac{1}{5}$	
1	$i = \frac{y}{5} \Rightarrow (ii)$	
	e 12 14/3	
1		
-	By putting value of in into is	
	The state of the s	
1	8/5 · y = 320	
	1 12 = 1600 square of two 2nd unabor	
	- By taking square root use Il	
	ant to a series of the series	
1	get to value of y and so by	
	puttieg value we'll get n?	
	> Taking square outs of both sides	
	$\Rightarrow \sqrt{y^2} = \sqrt{1600}$	
	[y=40/->(9)	1

Date:

	Q: No: 7	Date:	und
Day:	1 600 Sight to suite of 1 of 1	The same	
	Last : a many do intime of	The second secon	
	1)	
•	Criven: weaver sold two see	which C	
	96000 each.		
1	For the first scooty profit	gaused=25%	1
	In the 2nd loss incurred =	- 20%	
	To Find: loss or gain in total		
	= (96000-10)100 =	ROL G	
0	Solution: 1990 - 1990 -	70 PON	
	let suppose two exign		
	of 1st scooty is n' and	of the and	
	of 1: scooty 13 10 was	1010 15	
	is y? To find two total gain &	1038 1	
	we need to find original natures of		
	As % loss and % profit	forundal	
	are: 39339 . SS. O. A.	120 2 B	
	matit camed - Poece - son	- Almee	
	% Loss= Original price-	sold poice	
	76:0552 Dolging Free	- X/	60 7A
- 9	tilarly,	Price	
	California Eliteration of California	julia la	
	lo Prefit = Sold price - Orna	ginalprice.	73
	1	price	
	and analo or	10	
	131 X 22371 - 12		
		Period sales and advantage of the sales of t	1

Thus, 1st we find the maker of Ist scorty n' which gained 20% By putting data of 1st scooty in = 96000 - 26. 20H = [96000 -n) (00 20x+100n= 960000 pratit earned = 96000 - 80000 96000 x 100

Day: 20y = (y-96000)/00 204 = 1004 - 9600000 960000= 100y-20y 96000 = 80x y = 960000 Huce, = 120,000 -> Original price a 2nd & cooty. his complies loss & 2nd cooty = Sales price - sod price putting values. 120000 - 96000 = 24000 Sum of total posices of two scores = N+9 valus by putting Sum = 80000 + 120000 1 Sum = 2 sold price is 46000 each Hence sun of sold price will be-9600-9600 1 = 19200 As the sold price is Book less than original price. Hence, total loss incurred by selling scooties is 18000.

Part: b when they went lohours a day To Finel: How many wen wifell to sain job in 15 clays work for 13 hours a day Solution: use draw a selation between nien and day, weelle find the is indirect relation. As when wen are less, days are required to finish tu job oud vice versa. Hence there is Indirect relation between man and chays.

Sievlasly, If one Compare and hours, Certainly when down men are greater they would take Jess brown to finish the job and vice - uersa. As initially tours were 10, house we weed more no but later to hours increase they less men can finish tu job. In other words, There is a indirect relation blue blows and ne is to give gata, Herse, equation will be: x = 20 x /0 x +9 2 = 200 mer / Ans Hence, we need 200 moes finish to same job in

Date: _

(niven = U= qa, b, c -- 73 To Find: two value of F Selution: mathetratical terms be as all tweele none but con set.

thence & wife be an empty set. Part: d Coinen data: Volume of pyramid square = 372 Cm3 To find: Perimeter of its base. Colution: BS formale to find ter uplue a pyramid square is! Velune = 1 (Base x Attitude) -Dis Buy takies values of volume and attitude outsich means height from two given data

Day: Date: $\frac{372}{2} = \frac{1}{2} (Base x 3)$ Day:_ 372 - 3 Base 372x2 = 3. Base 248cm = Baja Hence to bake 248 cm3 15 1 Ease x Dititude) -Ern Takico 112 les

Section - I Date:	
Lew as Richter That built is location	-
Q: No:2 it you sind it	
4/37 M. A. Bogrett-R. Watton ball Dalet	
Part: dans i a manifestation de la constante	
in Sukili Koraan mad Kanat Partuit	
Three Renewable Energy resource	<i>(</i>
under CPEC.	
There are many projects under	
There are many projects under	
deal with revenable energy are	
divussed below.	
1- Quaix-E-Azam Solar Park using	
solar energy	
First of all it is	
Quaid- E Azim solar park that	
is obveloped under GPEC in	
tw city of Nawaby - Bahwalper	<u>Y. </u>
to government has ensure	
that they to bare of two	
world largest solar evergy	
production wit. Pol evergy	
produced moles tio project	
will be obtained via using	2
	-

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su light. The furt is located in Punjab under to Allamas Ighal Industrial International City c 3000. special econor 2- Sukhi Kenari and Karot Hydal power projects in KPK, AJ Purjab. Hapther resource that is le and been used bonder OFC is water to Palcistan's 1/2rd of wester directly discharged into to Draman bream threby, to governaverat committed to tap ties precious resolvace. These two finals and production unts are in KPR and leasot, Rugab or Bad Jour and lashing 3- Thatta and Fimpir wind power projects in Sindh South being a provincedos lier have chi recind putterns wente to wind Curder OPE

Date: government has started from on Thatta and impir for planting wind power project. The how capacity Saleri Corari lcaret hydri Project power Project Quaid-F-Azam Solar Source: CPEC.gov.px Here trust are to projets new cho in Raxistan under Cp

6- Soud Waste Management (swm) Solid walte management in a methodolog that is used to govern bodning strate or country. Soud we aste may inch ison-particles plastic or o'splastic bugs, etc. In simple be easily managed Myoled off. managing and disposing off the Hat are solid is tenoun as soud waste in an agenunt Methods of Sum: There are mainy of solid waste managemen are given below no lowonly used 1- Landfills fore of two wostly huthods of solid management: Solid waste

areas which are open. Then, after soul day, they are fissed in pitche of land Mostly devolping states sollow it as it is less costly yet dangerous for health. 2-4R Method Another most effective appreach used for colic weate is 4R method. In method is elaborated in diagram. >> Reduce Replace Recycle Mostly developed nations such as U.S. A, Canada, France and Italy use this strategy. 3- Burning of Residue in Open Air Another method used for good wast is open berning 9 to wester In this nethod solid waste is gathred in

Day: In Joan of piles Than tugse method is very toxic and et triggers respiratory diseases. Bio Mass fuel production taxough using oud waste Droha method is ment of social busn't to preduce fuel in tw form steam Wate hid waste 15 another

Day: Gove Part: C Balanced Diet. Balanced diet is plan in which the annount of natrients, proteins carbohydrates, fats, and eins colories, etc are managed and controllest adequately. In other words a balanced cret is one that does not badly inpact one's neath. For example when someone is got too for it is aften prescribed by doctors to set a balanced diet for instance a gymes is after said to take proteins before fever cising. Neils, withalles ofy fruits are often suggested to be two part of food. Fiber is another part of bolon red diet In balanced diet

all these are kept in moderate lune so that one can burn or gain calonies easily. Like plactors often recommend to take charlet while studying as it helps to vaise one's glucose level winich gets low due to concentration Sintarly, taking 4 to I litre & water daily is also a part of balanced diet. a - key Features of COP-28 regarding Lost and Damage Jud: like to premious Parties (OP- 27), (3P) comittenents and promises te major one is to loss and damage find unich is premised in COP-23. Two readers from developed nation along with the United Nation authori-

ties home realized duelop ing nations have of clim at Recent floods in willion depect articting in truetural damage is a glaring proef. R leaders at COP-28 promised to lowest \$ 100 bn & COP 27 truly well try leve from that, et is also disthat developing natib Finance Jequired Fo no logy transition, this provided with

so that trun could cater hier technology needs. In Sault states also promised hand to to dinate suffe nations so that truse nation sould stand soldier by soldier were two global commity 1-Horg with to loss and danall Jud to governments also play that adaptation and Finds must be reached to to nation winch fails to want of Armate charge. Castly in COP--28 parties also shown a great collargues that piture There wo to loss are Mence truse axo to bey features:

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is represent the	To 20 Cors. 94 samon
Part a	the loser second
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RAM	
	It is abbreviated
1- RAM stands For	1
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in the second is	a district and
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stored permanently.	
	vesing it, data is
in sun-time, it is	later used As
sawe but once sun	RAM canot hold
	data for long
	time, thus ROM is
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less size. Fox every	a large size surply
in PC, (person	because, lit stores
Computers), it is	the wifes data &
	3 computery, Thosely,
William Fold	(or putty, in energy,

9 11

Day: to 20 C1B. 9+ may It is commonly about be larger Thom that 100 GB dates depending upon to manages seo givenouts of to various forms: Example While the song willy For example onher listen to a Storec song it is played may have a power terminology.

Date:

USB: USB stands for Universal Serial Bus. By bous in computer language means the path In computers, to sh sace to other a correction to transfer data from one side to other or it can be , aid its a form of modium. Cart: b AI Revolutionizing the World intelligence has yout Myficial world in has changed to sough charging to means areas rofound. Change are

Date: __

Day:

discussed below. Revolution in Military Equipments DI has completely manged to military weapons. From AI based to quided ilitary domain Example: U.S used AI based drones in many attacks in Afghanitan assinst Taliban -Medical Field Transformation Similarly, medical field pobo; going tarough DI backed tranfo mation. Research and directopment hepril medical twoigh degigning Robots that ean perform medical operations Example: 19414 allios In U.S; a Robot weas used to perform a surgery which helping-Similarly. AI

Day	based softwares are also being used to obactionse alisases.
	3-Change in Economics
eco	Economics has throughly
	Changed in the AI world. To days
	(w) cool a 15
Parties.	Online AI - based algorithms
	are harding energthing. Data ana
	lysis of AI are reduie cost
	of doing, business.
	Example of Japanese Robot: Tw Kobot
	can work for 22 hours. It can lift.
	upto 400kg weight easily.
	-Revolution in Transportation Industry
	Coged the social office.
	Transportation industry is
C	enother area which substantiate
- 11	that OI has revolutionized
- 11	two westers
- 11	Driverless robot-based cars are
	a glaring cuidence q to aprecia
	Media Industry and Asia
31/	Media , Industry and A.I.
	I has also charged two wedia industry
- 109	man ways. According reporting poor
	one by sobots unich is a consequent
	PI.

Research and Development and Role of AI. dere poment. Agriculture sector is a glarine arou where AI-base of socearch has incre tes production. Concluding Keylasteshas revolutionized to noorld turaugh transforming tu major soctors like apoir culture, military, toansportatlow and medical.

is early ally last: d 3 Critical Speed of Satellite Jord Grifical speed of satellite is the speed that is required to send a sattelite out from Distortio to oxhit of to plainet. It may nary theperding upon two palpad and distrove that a satellite mas to travel. For example, U.S Based Satellite Appollo has a different less speed X than tu Chandryan - 3,9 satelite sent by Thetics on moon Geo-stationary and Polar Satellites. These are many differen ces between geocctorionary and polar satellites. Main

différences are discussed below. 1- Lurpose polar satellite Coreo station any satellites are often basicaling used used to draw short we aller picture & earth. Rettern So that to wrother a longer run pattern fan be tuy are wed to make pole dediced. Similarly, they are Dictures to determine to Chimatic used ... changes over to the ... 2- Speed The St. Speed of yeo-sate_ in speed in Dite in terms of draine pictures. pidure processe 15 lug take time higher. 3- Distance Unile polar are They are closer to not close to earth to earth orbit. orbit as geo stationary ONDE

transmit data from our place 3- Cost Less Distortion or loss of data rosing to al