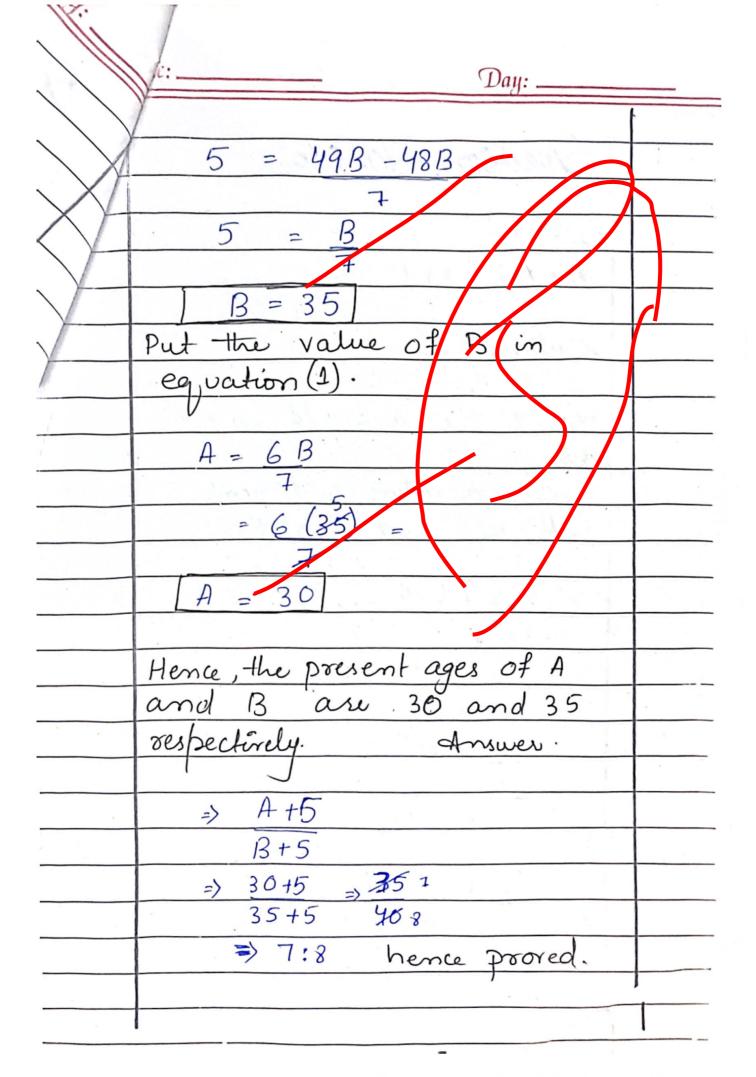
Samha Shaikh Date: Day: \_ Duestion NO:06 (a) good Good for math work Enough length of theory Dafa: portion Enough headings Candidate A = 15000 Final diagrams Candidate B = 10000 votes Candidate C = 8000 voles = 15,000 + 10,000 + 2,000 Total votes 33,000 votes. Solution:maximum Candidate votes. 33,000 15000 x%. 15,000 x % 33000 = 100 X B1 = 100/202 500/x = 45.45.1. Hence, candidate A got 45.45%. votes. Answer.

Date: \_ Day: \_ duestion 6(b) Data: Ratio of angles of triangle = 3:4:5 Sum of angles of triangle = 180° Solution: Sum of ratio = 3+4+5 = 12 Angle B = 4/x/189 Angle 4 = angles = 45 + 60+75 Hence, 45,60,75 are angles respectively Salman Paper Product

/ ///	
	te: Day:
	Duestion 6 (c)
\·\	
	Data:
Y	
7	Group = 4 boys and 6 girls Girls = 102
/	Girls = 102
	Boys = ?
	Solution:
	Each group consists of 69irls.
	Groups = 107 = 27
	17 groups possess 102 girals.
•	Each group has 4 boys Total boys in 17 groups = 17x4
	Total boys 68
-	10000
	Hence, 68 boys are required,
	if 102 quils are available
	for such gropings
	Answer.
_	

D	ate: Day:	
		/ ' / /
	Avestion 6 (d)	
	Data:	YX/
1.		
	A:B = 6:7	
	A+5: B+5 = 7:8	
	present ages of A and B = ?	
1	Solution:	
	$\frac{A}{B} = 6$	*
	$A = \frac{6B}{7}$ Equation (1)	
	A+5 = 7 Equation(2)	
	B+5 8	
	put equation (1) in (2)	
	6B/1 +5 = 7 (Cross multib-	*
-	$\frac{6B/4}{B+5} + \frac{7}{8}$ (Cross multip-	
	6B + 58 = 7(B+5)	
	(7)	
	43B + 40 = 7B + 35	
	7 40 - 35 = 7B - 48	
	7	
	Salman Paper Product	



· D	ate: Day:		
	Suestion NO: 8(a)		3
		X VV	
-	Data:	-5	wy /
	odd numbers.		$\times$
	Solution:		
1-			
	het 'x' be an odd number.		/</th
	then,		
	Ihree consecutive odd numbers		
	will be 1, 1+2 1+4		
	x + x + 2 + x + 4 + 273		
	3x + 6 = 273		
	3x = 275 - 6 $3x = 27$		,
	x = 267/31		
	x = 89	-	
-	x + 2 = 91		
	x+4=89+4		
4	x+y=93		
	Hence, 89, 91, and 93 are		
1	three consecutore roadd		
	numbers.		
	Answer.		
	Salman Paper Product		
			-

Mag.	
/ ///	Day:
( ) (	Dug.
X	0 10 211
$\times \mathbb{A}$	Duestion 8(b)
Y	
	4,16,36,64,?
	Solution
	4,16,36,64,100 (addition of 8 in
-	the previous difference
ii)	30, 29,27,?,20,15
	Solution:
	30, 29, 27, 24, 20, 15
	(27-3)
,	
iii)	1,7,15,25,?,51
	Solution
,	
	1,7,15,25,37,51 (25+12)
iv)	0, 2, 6, 12, 20, 30, ?
	Solution:
	0, 2, 6, 12, 20, 30, 42 (30+12)
v)	48,24,72,35,108,?
*	48, 24, 72, 35, 108, 53
	Salman Paper Product

Date	:: Day:	(10)
	Overtion 8(c)	
1-	Thrs1	X
	Thirst	/
2-	GNDREA	
	Dangier	
3 -	SCHAMOT	
	Stomach	
4-	ONL NDO	·
	London	
5-	Holiday	
-	1 to wanty	
	Salman Paper Product	

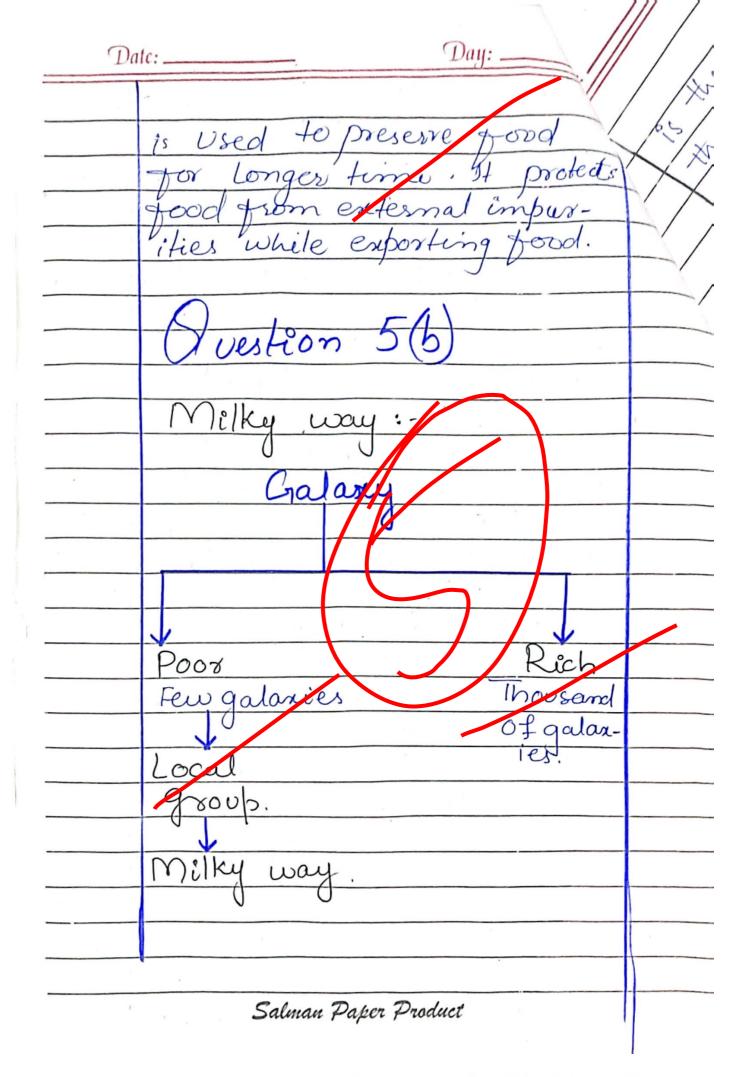
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	):	_
1 /	•	<del></del>
X	0.19	
X	Overtion 8 (d)	
1	Data:	
1		
	Sara mother = 6x sara	
	Sara brother = 2x Sara	
	Apter 3 years.	
•	Apter 3 years. Sum = 72	A TANDER CO.
*.	Present ages =?	The A Land
		Cab, public and
	Solution.	
	Let Sara mother = S.M	
	Sara brother = S.B	
*	Sara = S.	
		-
	S.M = 6.5 Eguation 1.	
	S.M=6.5 Egyvation 1. S.B=2.5 Egyvation 2.	
2		
	S= S.B/2 Egyvation 3.	
	(S+3)+(S+3)+(S+3)=72-4)	
	put Egyvation 1 and 2 in Egvation	
- 100	4.	
	S+3 + 6s+3 + 2s+3 =72	
	98+9=72	/

Date: . Day: = 72 - 9= 63 63 010 year vation 6 x-7 egulation 2 to get Put 'S.B' S.B Sara, her brother, and her mother

/		
	l:	
1 / F		
X	Duestion NO:05 (a)	
1	0 0000011110000000	· · ·
$\langle \rangle$		
V		
$\sqrt{}$	Food preservatives.	
	Food preservatives	
	Food preservatives  are used to preserve food  groom insects, enzymes, moisture,  heating, and microbes.	
	From insects, enzymes, moisture,	
	heating and microbes.	
	Jan 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Methods of good preservative	
-	172113000	
-	Food is Treasived between	
	Food is reserved between 16°C to 38°C.	
	160 70/50	. , .
	Heating:	
		, ,
	by increasing its temperature	· .
	through reating once the temp-	-
	erature crosses 38°C, it kills	
	all migrobes.	-
	Example:	-
	Pesteurization of milk.	
	U	
	Salman Paper Product	

		/// / 0
Da	nte: Day:/	// /20/
		/00/
	Cooling:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
<del>- 5</del>	Cooloria.	
	The least and of	-//
	The temperature of	-//
	food is decreased by the	
· ·	process of cooling. When	
	the temperature decreases	
	to 16°C and lesser, the	
	wall of bectaria shrinks	<u> </u>
	and it kills them.	
C)	Drying:	
	The good is also	
	preserved by the process	
	of drying 20% of bectaria	
-	are due to the moisture.	-
d	Smoking:	
		y.
· ·	This is the meltood	
	to preserve dead	
	1 Doesense Ciacol	
	bodies. Farmaldehyde is used in this process.	
	used in this process.	
		7.0

1 / 1	Day:	
1	Sugar and salt brines:	
	3111,03	
	These are used	
	to preserve good. Salt	
	to preserve good. Salt brines are mostly used	
	for Jishes.	
	Chemicals and Acids:	
	Chemicals and	
	acids are also used to	
	Preserve tood Ascorbicació Ps Used in soft drinks	
	15 Used in soft arinks	,
9-	Radiations:	
	100,00001	
	The food is exposed	
	to radiations. Such	
	radiations kill the microbes	
	present in the pood.	
<u>h-</u>	Packing and Carning:	
	This method	
	ines meiney	
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	January 1 septe 1	

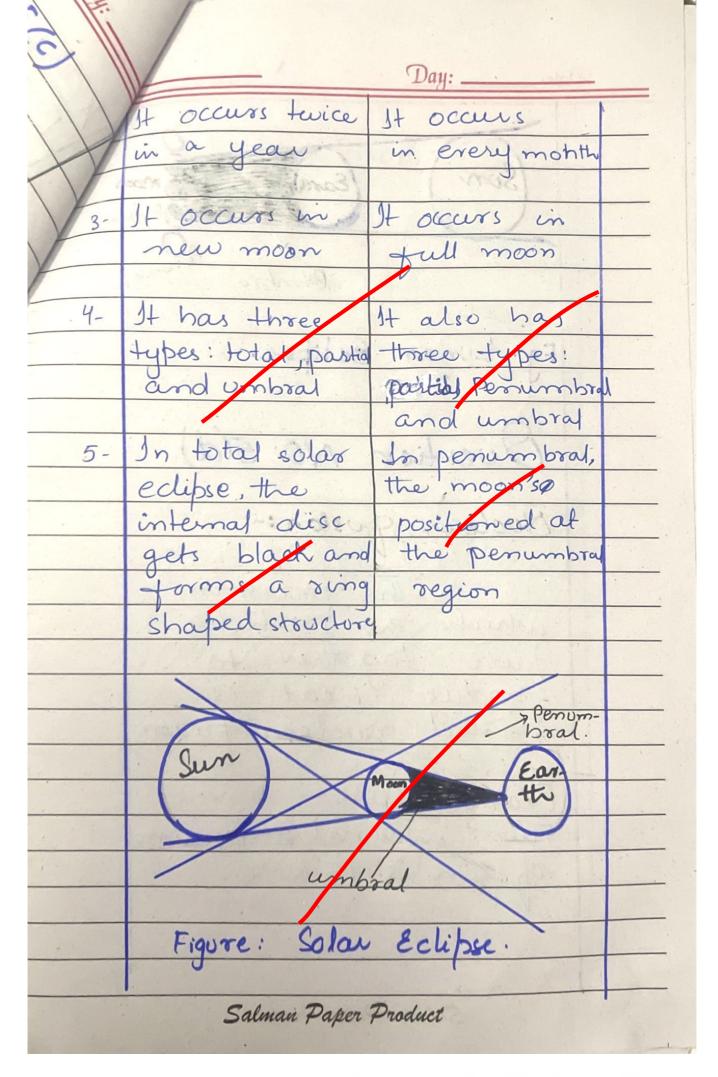


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3/		
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3		t
red's	10.111	
W.	Milky way	
	is the galaxy in which	-
	the live exists - Earth,	
	along with solar system,	
1	is the part of milky.	
	is the part of milky. way. It has multiple	
	asems including Sagittarius	
	arm. It possesses I was	
	objects, stars and multiple	
	planets including earth	
	where we time.	
· ·	70.00.0	
	Dark matter is related	-
	to galaxies	
	Eddoward Dowes Of	
	Dark	
,	matter 24.1	
	710 dark Energy	
567	negy	
	The galaxies are	
	The galaxies are moving with such high	
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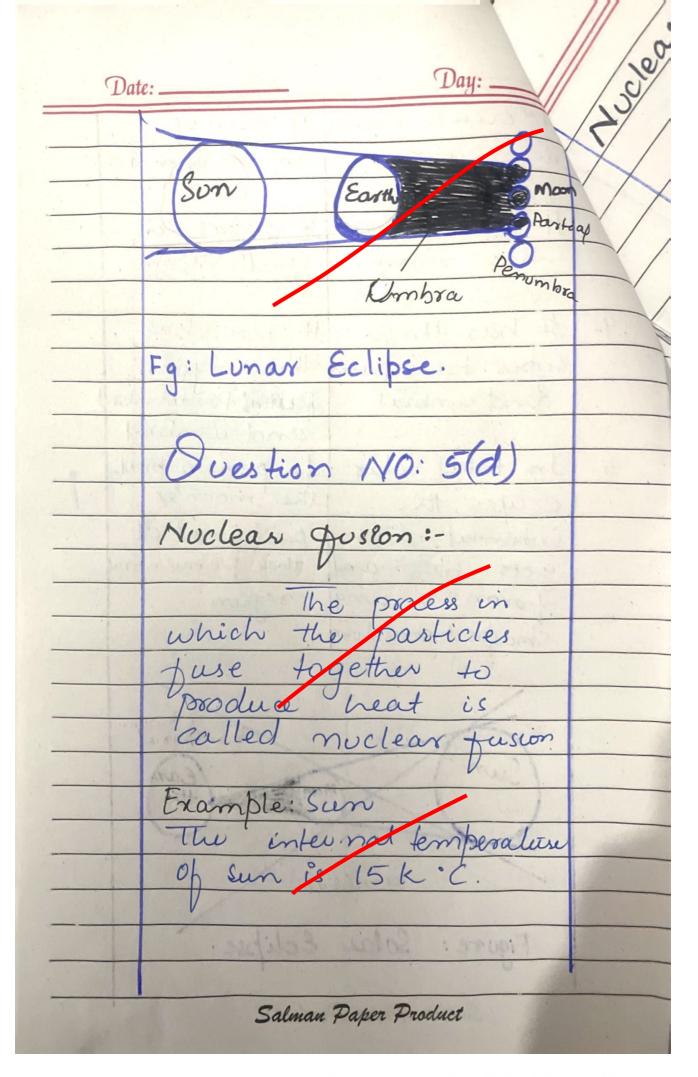
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shigh	speed that it is
imp	ossible for gravitational
1000	2 to hold them
toge	ether. This led scientists
100	believe that these
	s stronge matter which
Provi	des glanéers with
	a mass and gravita-
tion	al force which holds
	n together. That
	nge matter is known
asl	Sark matter
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109	erent parts of
70	Galanies:
4-	Galasies are
the	gravitational body
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ene	gy, dark jmatter
an	d'aceles tial bodies.
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	parts such as	arms,
	sotar system a	ind
	It They possess de parts such as solar system a the like.	1 - 2 \
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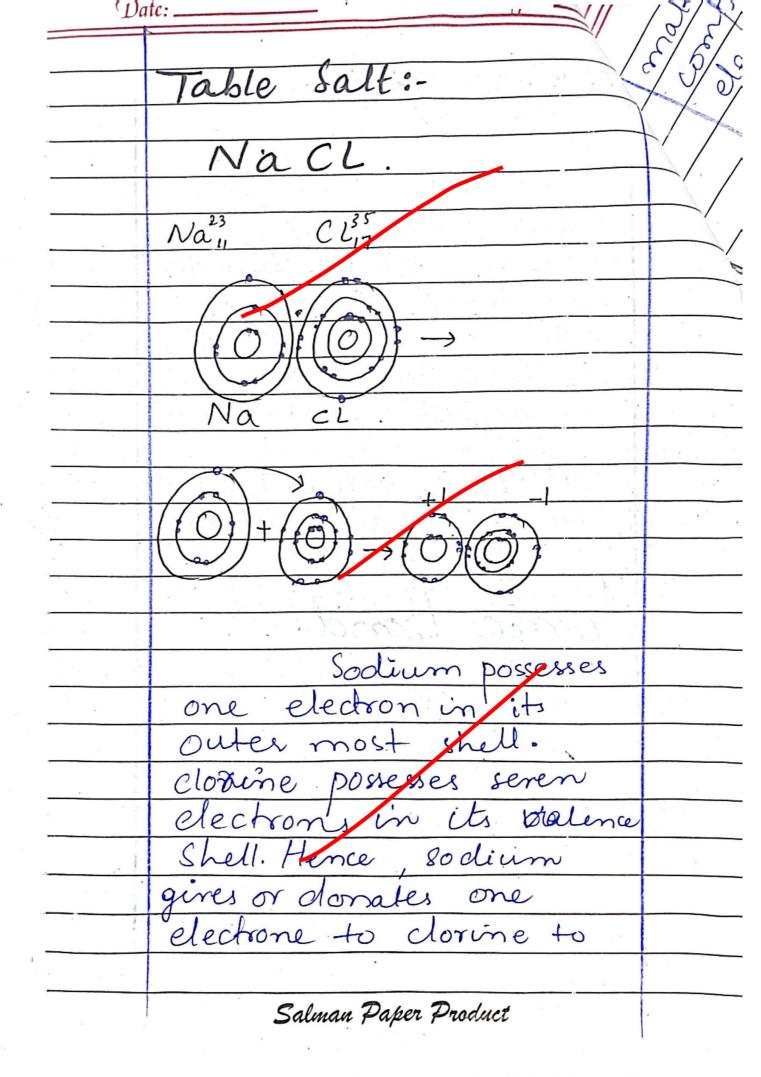


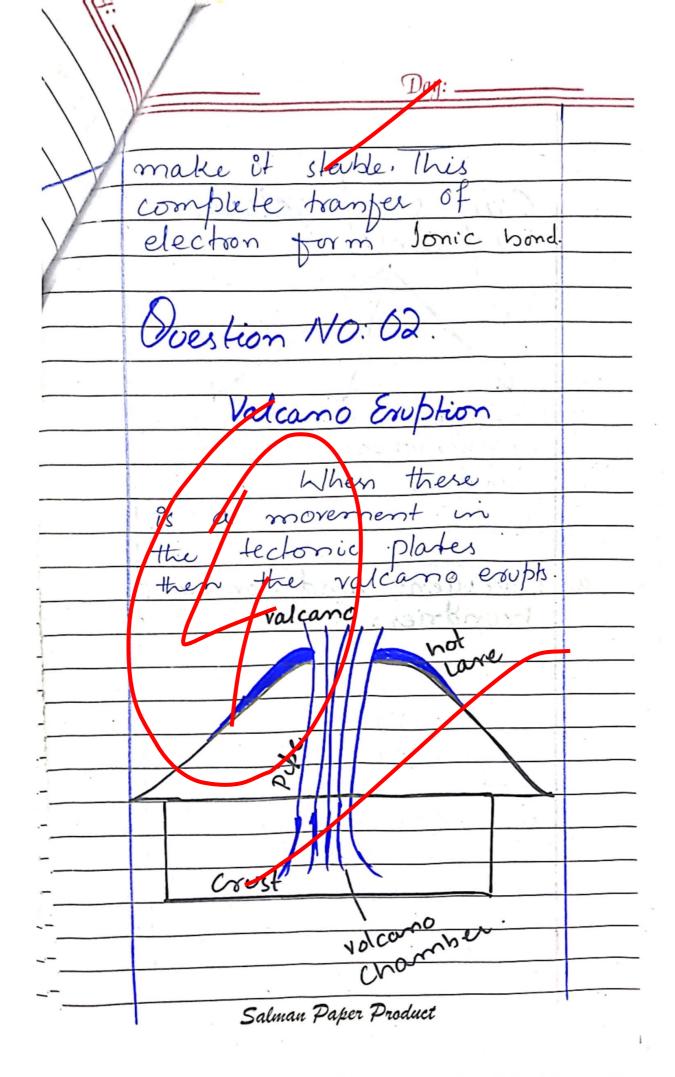
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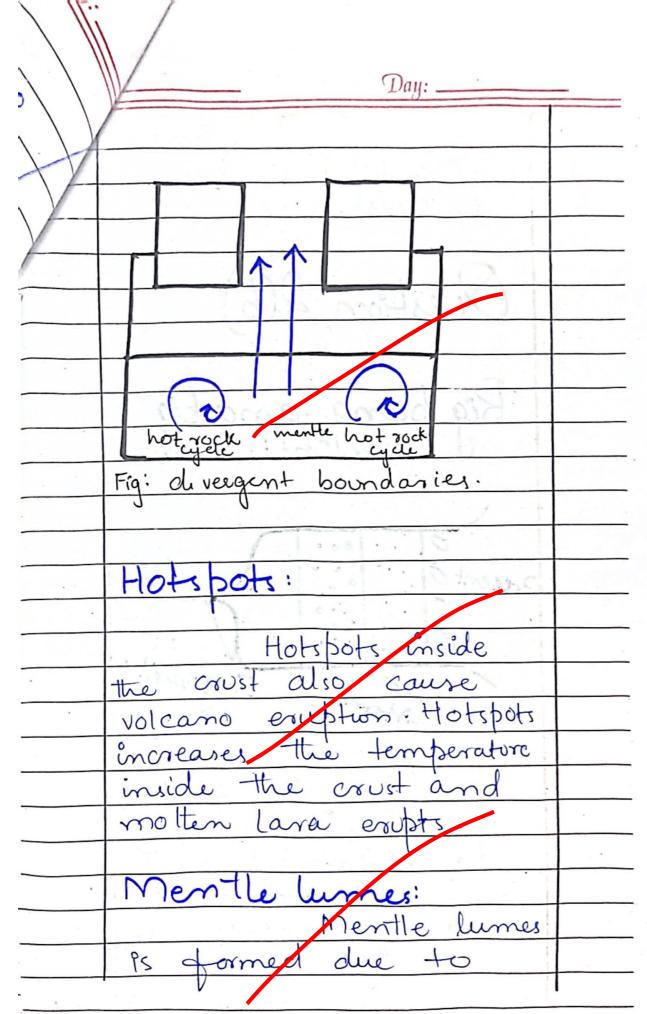
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10	Day:	
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1	Nuclear dission:	
-		
	The process	
	in which the particles	*
	breakdown into	
	various other particles	
	which then react	
	with some other	
	particle and the	
	chain, goes on.	7 50
	Example: Nuclear boomb (U3)	
	and Nuclear reactor.	
	1	
	Jonic Dond:	a .
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4	The chemical	
	bond in which the	
	transper of electrons	
	take place is known	
	as sonic bond.	4





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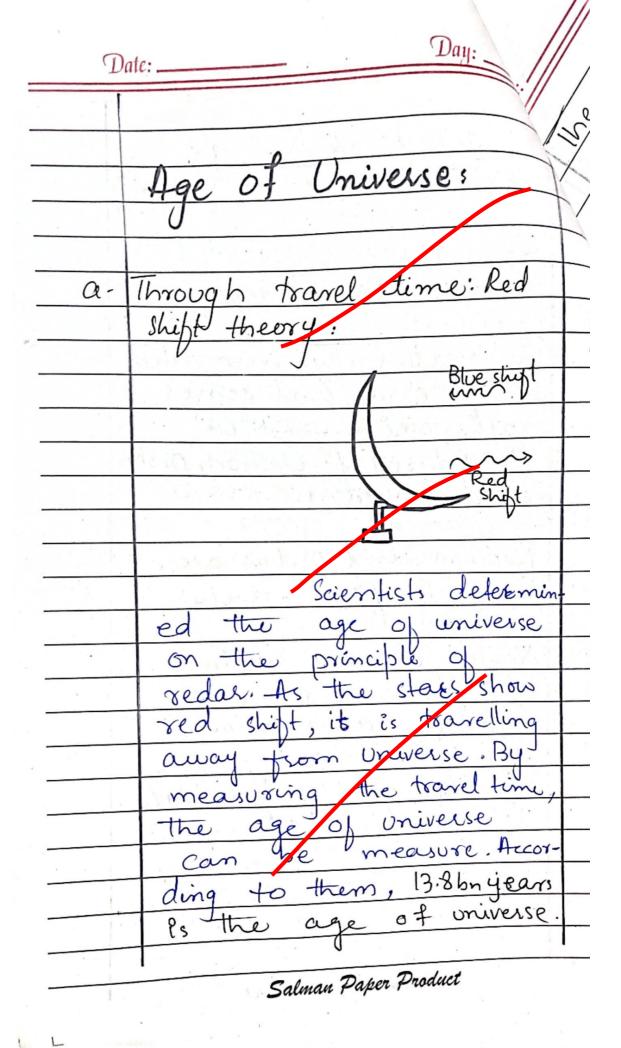
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	Direigent Flots pot manthe and subduction lumes.	
	boundries	
		177
<u>a-</u>	Divergent and convergent boundries:	· · · ·
	boundries:	· ·
-		
	tectoric plates diverge	
-	or converge vola ano	
	esubts which results	<u> </u>
	in ridges and mountains.	
	When boundries converge,	
	one tectonic plate.	
	Subducts and volcano	
	esus.	
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	presented at a single.	
	point known as singularity.	
	The energy is converted	
	into matter E=mc2	
	To properly April 1	
	The matter is again converted	
	into energy and some matter is remained in	
	the form of electron, protons and mutrons.	
	Neutrons and protons are	
	met to form nuclie	
	2 1 /2 2 1 12 12 12 12 12 12 12 12 12 12 12 1	
1	Nuclie catches electrons	
	to form atoms of	
	hydrogen and hellum.	
	This laid to the foundation	
	of calestial bodies.	
	The second of th	
· ·		
		-
	Salman Paper Product	



\ \		
	Day:	
X	Duy.	
	Theory of onto	
	Theory of expansion: Hubble Constant.	\$
-		,
-	The age of universe	
-	can be measures by	
-	measuring the opansion	,
	Of the universe. According	
- 1	to thubble, if the earth is	
	to thubble, if the earth is that and it consists of	
1	matter only then the age can be found out	
	age can be found out	
	3H	
		(\= \-
	If the earth has	*** \
	Low density then the	
	explorated age will be H.	
	and old the second seco	
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	Mall	$\Gamma$
	Renewable Energy:	
	J	-
1 /-	The energy	-
	which is present in	-
	a busined a sacco and can	
	never be replinshed is Called renewable energy.	
	Career	
1-	Hydra Energy:	
	Matee	
	Reser- vior	
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	No.	
	Turbin e Salman Paper Product	
	Salman Paper	

/ //		
	Day:	
	Water is stored	,
	in the reservior and	
	it falls in the torbine	
	which converts steam into	
	mechanical energy and	
	it is then converted into	
	electrical energy through	
	generator.	
1	t product problems	
	Solar Energy.	
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	DC DC	
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	Load Grid	-
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	Day:
1	and
	H . H
	When the
	protons galls on the
	solar penal , it enils
	electrons. Free electrons
	starts moving and
	Current is produced.
	I = 9/4
	Wind Energy:
	Vois of Vielo?
i	When the
	wind, having speed greater
	than 15 km/hr., strikes
	the blades of techine
11 1	it starts & soving and
	converts kinetic energy
	into mechanidal which
- 40	is then converted into
	electrical energy through
,	generator.
16:	mi basi
	Wind -> Turbine -> Generator
	S>15km/hr K.E.M.E M.E.>E.E

	Vate: Day:	
Y		
/	Greothermal Energy:	
	in the second in the last in the second that	
	Turbone Generator	
	skam-	
	Cresto Contraction of the contra	
•	Crust	
	08031	
_	Injecting	
	marajas ( )	
	The pipe is injected	
	inside the earth crust. The	
	not water then flow fowards	
	steam generator. The steam	
	is then more towards  turbine which converts	
	14 into M.E. It is then	
	converted into E.E.	
	Nuclear Energy:	
	The Oranium	

Date:	Дан:
1.	
is present	inside the
chamber	which is provided
with the	heat. The steam
is generat	ed which is
	into M.E through
	The generator
	into E.E.
	earber omber Turbine
Noc.	ombe Turbine
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lan h	
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