Very good but You need to attempt all 4 parts of every Enough length Section-II: **Enough headings** Diagrams are fine Write complete logic and steps in ma Q-NO-3:= (a) Secols bedon ago of B115 B1.25 attendance (b) According Peasons ' Sugar S 40 kg 320 kg of dutio According

		ント
the second was the late to	(d)	
	Radius of collader - 1 - 10 cm = 10.011	4
	hight = 12 = 36 cm	
	Volume = 1102h	
	by putting values	
	Volume = 3.14 x 102 x 36	
	= 3/4 x 86 = 3/4 x 86	
	- Giver Clata:	
	Radius of Cylinder - o= Youn 10 = 1m	
	Radius of Cylinder - 0=10cm= 10 = 1m  Raight - R = 36 cm = 36 = 206 m	
	Volume = V= TT +2 h	
	=> by tutting values.	
	V = 3.14x (1) + x 3.6	
	2 3.14 ×4 × 3.6	
	Volumoz 11/ m3	
	State of the state	

Q-NO-8:-	14
(a)	
Write complete logic and steps	
· According to statement.	
BROTHER is code as QDGSN	QA
· as we can septhating above soile pa	<u>&lt;4</u>
letter of cook is one step backward in	
alphabatics in deverge order, so "S.SSTE	R"
would be waithen as	
SISTER = QDSRHR	
(b) \	•
Given Data:	
Total ands = 12	
Gard Numbers = 1,2,3,4,5, 12	
To find:	
(i) Probability of documents =?	
Acc to formula	7.1
Probability = F - No of ways of occaran	10

/	ut
$E = \begin{bmatrix} \frac{4}{12} \\ \frac{12}{12} \end{bmatrix}$	
(ii) Probability of an oven numbers?	
1/E= 6 -VII = 9.5	
12. 2	
(in) Probability of a project square = ?	
R=3 = 1 = 0.25	
(iv) passability of a negative number =?	
$Q = \begin{bmatrix} 0 & - \begin{bmatrix} 0 \end{bmatrix} \\ 12 & \end{bmatrix}$	
(V) Probability of a pumber less than 13	·v
$E = 12 = \boxed{47}$ $12$	
(d)	
Given Dalus	
Ages group = 15, 15, 16, 16, 16, 17, 17, 18,  Total group = 9	19

	To find out!	
	(i) Mean = Sum of ages = 149 116.55	
	"Auxara: of the given numbers."	
	(ii) median that solver when all and love	
	half if numbers ere governged in order. " 13, 15, 18, 16, 16, 17, 17, 18, 14	
	Median = [16]	
	(in) mode [16]: The most forguently occurring	
	(iv) Range = 19-15 = 147: " Difference between	,
	the highest value and the buist value in	
	Sories	
A second		

·/	T
SECTION-I	
Q-N0-2:	
(5)	
and the second s	
=> Distinguish between Water soluble	
& fat solution Vitamins.	
Weder Soluble Vitamine	
are those that easily dissolved in	
water, such as: VHamin B-complex and	
Vitaming while fed soluble vitaming	
ghe those thate goe absorbed in	
fats, such as a virtamin A, D, E and K	
Diets containing that saluble Vitamins:	
J. S. S. S. VITCHINS.	
Vitamin Ale	
· Milk · Caxoots · Green Vegolables	
Vitanin D[:-	
Sunlight, milk	
JAN 1974, MIK	

	Vitamin E [:-	
	· Green leafy vagotables · · Avocados	
	· Soeds . syabean milk	
	Vitamin K :-	
	· Darik locity ucgitables (such as	
	Cabbage and Colliflowers	
	Diets containing water soluble vitamins.	
	J. J	
	Vitamia B-complex	
	Fauits and Vegotable are set sorores	
	of most of Vitamin & such as Thiaming (	
	Ribolowin (B2), Nigeth B3), BB(B: Biotin B6	14.137)
	Milk and mead are good somere of	e.i.
	Vitamin B12	
	Vitamin C (Ascobic Acid):	
· · · ·	Fourts surd as gounges	
	· Milk	
	· Vegetables	
441		
CDIN.		

		t
	(C)	
	The Structure of Eye:	
-		
	Optic near	7
	911	/
	(Rods + a	
	Corner (Kods + C	245
	lense	
	Vitous Hymeras	
	The second secon	
	G	
	Eye is igh important sensory soyum of	
	thuman body that helps us seeing the	
	things abound us themen eye cossist	
	of following structures that help in speing process	
	1. Jois - Dois is the most impostant. Stoud	
	as it bodows the size of pupil.	4
	2. Pupil. light anters the lense through	
	Pubil	202

	1	. 1		.7	3,5
-	 _	_/	-	•	~.

	3- Lense: lense is the centeral structure	
	that when light days preses through	
	if they are orderected to form an image	
*	on defing	
1.7	4: Retina: - Reting is the structure which	×
in the second	deceives the light signeds and begreive it	
	It contain 2 important cells	
	(i) Rods: Recoine the light waves	
- <del> </del>	(i) (ons: peaceived and defferantiate	
	HT에 보고 하면 하는 이번 하는 모든 모든 전에 사고 있다면 취임하면 하면 하는 것으로 보고 있다. 그런 그를 가는 그런 그리고 있다고 있다.	
	the different colones	
	5: Coonea: outer part that corers fois and	
	bubil 1 California Cal	
	6 - Sclera. Visible white portion of the eye	
	7 - optic neaves: Vigue signed are sent	
	through it to the brain which introport	
	the image and act accordingly?	
	(d)	
	Flow chart of different Pasts of Boarn:	
1	Boain is	
Y	an important stoucture of Centeral Neous	

	/
system	that control all Uniontal and
1	of functions of the body:
	ask important stouctures
	the bourn
	involve in baix intelligence
4 Fore Br	- feoabeoun
	Amaldy - manage emotions
	Totic System
	Hypothalamys > endocrine function Stitulate Secontion
	of Chads
	Colliculi
2- Milb	ocifi Tegmenty
	Leveleral poolinos
Lye 16	
1874	Cerobellum - Hearing
3 - Hino	Abouin .
	Durch Mal Hul
	+ rons & mxourid
1	
Jan.	

of Himalyan and Tibtan glacicos as in Jalia

	and Pakistan are malting at very itash	
	pace.	
	the same definition	
	3- [Harry floods]: - another dealty consequence	
	of global warming is havor caused	
	by deadly floods becautif . Flords of	
-	2022 in Pakiston is an important	
	example of if that caved an economic	
	José of almost \$40 Billion in 2022.	
	4- Headstrokes and health Kazards:	
	Global.	
	warming also resulting into multiple	
-	deadly diseases that are effecting humans	•
	badly various despiratory and skin disosses.	
•	are being consect the to it	
	India to the last of words. It is	
	> Humans . Contribution toward, global warming: -	
	4- Depotestation, one of the major Armen made	
	cause that effected weather betterns goods	
	occured trees dealted into incorred governouse	
	effect as torces are nedway sinks of Gobon	

	2-Uncontroll industrilization: Most of it
	has taken parce in the last control
	that desulter into incorque in govern house
	gases content in the atmosphere
	Je. 13
Comin	3- Environmental pollution:
	Severly affecting envisorment
	and contributing towards global warming
	and organizating person gers
	(C)
	Sami- Endebos:
	1- Interfection:  " Semi-ronductor is a maderical
	huma electrical conductivity falling between
	that of a concuetor (e.g. (upper) and
	and insulator (e.a. gluss).
	Silicon and Germinium are important
	Okamplés.
	Domi-conductory goe used in electronic
	appliances e.g. LED
374 s.	2-Types:
	It has two types

	//	
(i)	Intrinsia : Sent-conductos : A somi-conda	*
	its page from is called intrinsic	
	- anducht.	
	Example: Silicon and Germanium in	
	its por from.	
	S. Andrews of the part of the second	•
(ii)	[Extoinsic semi-conductor]. When an	
	writy (Dobant) is goden to a bive	
A TOTAL TOTA	i-anductor from passide it becomes	
an	extainsic semi-conductor.	
	Deping is the boxess, by which	
	proity is added	
3-N	- Typer and P-Typ Semi-Conductors:	
(i)ti	N-Types When imposity (Dopont) is	
	Jed into que Semi-condictor from	
	up 3 of proddic table, it become	
	N-type semi-conductor. It has	
	while algore because it has a fore	
· ·	doon 1 neer 10	
	(b) Si - P - (b)	

(ii) P-Type Semi-Conductor): When impurity is added from gamp 3 of periodic table, it become P. type Semi-sonductur - If has positive charge go it has one emply space in bond that tan be filled by an electory + Examples of Dobunt are Boron and oliminium. To hole(+ve) 12 (d)\_ Eclipse - "The obscurity of systronomical object by another austosymical object is called eclipse." Distinguistion betypon Solar and lungs alipse: 4) . Stew aclipse occure whoy the somes between the earth and sun

and thus block the light from reaching the earth Lunar eclipse occurre whom Forth many comes between the sun and the moun did and this blocks the light. foun dracking moon 50/48 oclipse lunger eclipse

2- Solar eclipse occure at day time  While lunar eclipse lasts for a few minutes  While lunar eclipse lasts for a few hours  4- Solar eclipse occure every 18 month  While lunar eclipse occure every 18 month	:
while hour eclipse occure only for a few minutes  while hour eclipse tests for a few hours  4. Solar eclipse occure every 18 month	
3- Solar occure only for a few minutes  while hour aclipse tests for a few hours  4- Solar eclipse occure every 18 month	_
While Linear aclipse tests for a few hours 4- Solar eclipse occure every 18 month	· · · · · ·
while lands eclipse occure occassionally	
	_
	-
[23] B (34) [4] [4] [4] [4] [4] [4] [4] [4] [4] [4]	
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	_
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