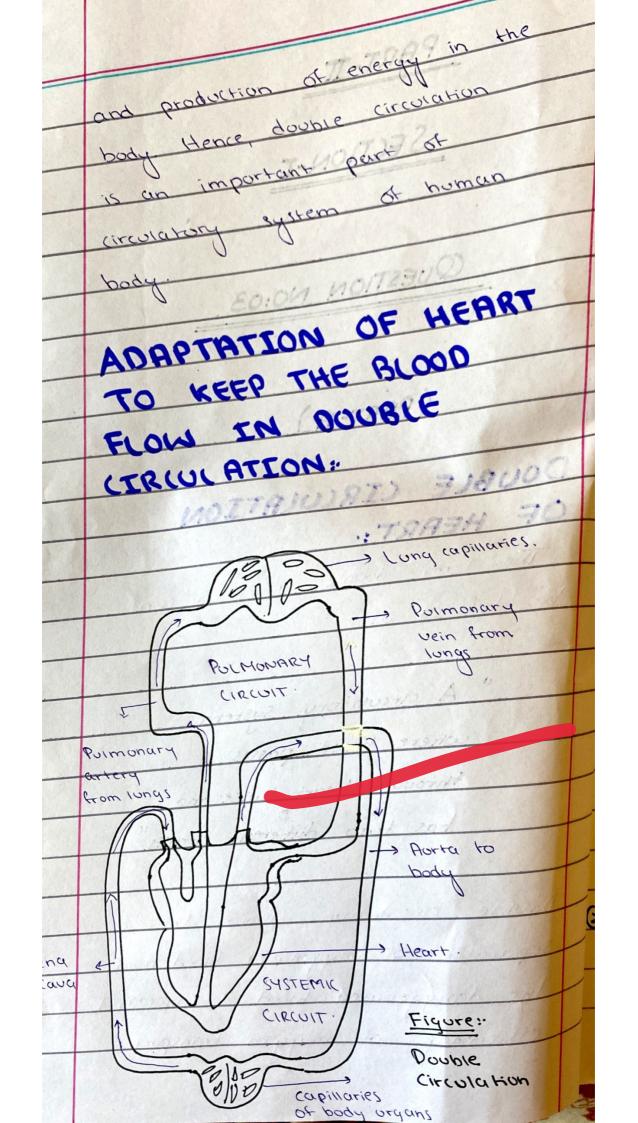
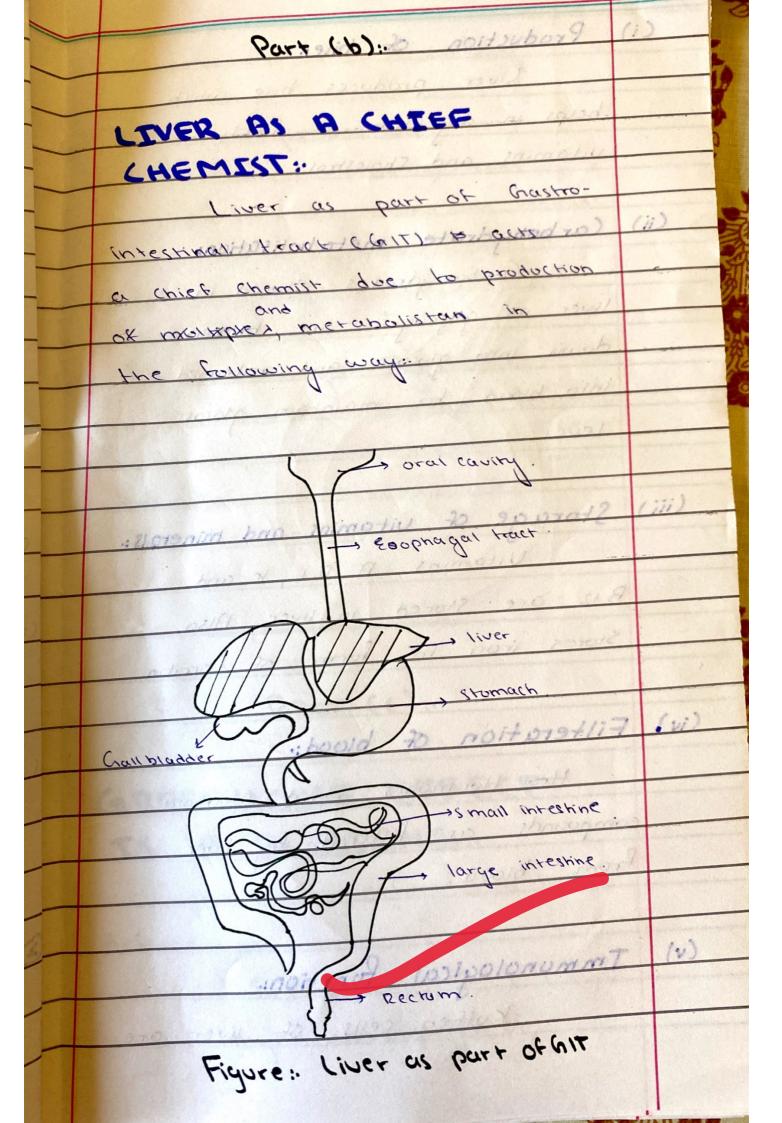
Dos and Don'ts for Generaral Science & Ability Paper Hi there, wanterdone well. Know that acquiring knowledge is one thing and reproducing itriopa ier according to what's asked is a other later are a few things I would like to highligh 5 marks part recuires at least 2 and at s of a paper. Knoy that there can be two or three parts of a grestion and their marks are divided accordingly. So, address all them (in a just mann 2. Focus on time management. You get 35 minutes to solve ane question and about 8 mark part. Manage your time O Faccoromety. " 3. You need to understand that your paper is supposed to look more scientific than theoretical. So, add flowcharts and diagrams where required. 4. Your handwilling and heatness can be ally impactful Avoid Editing and overwriting. ocus on your spellings and your grammar. in GSA there's no deduction in marks our expression will definitely create an skity-portion, giveplanation fo ability question in words. You need a symbol and explained.

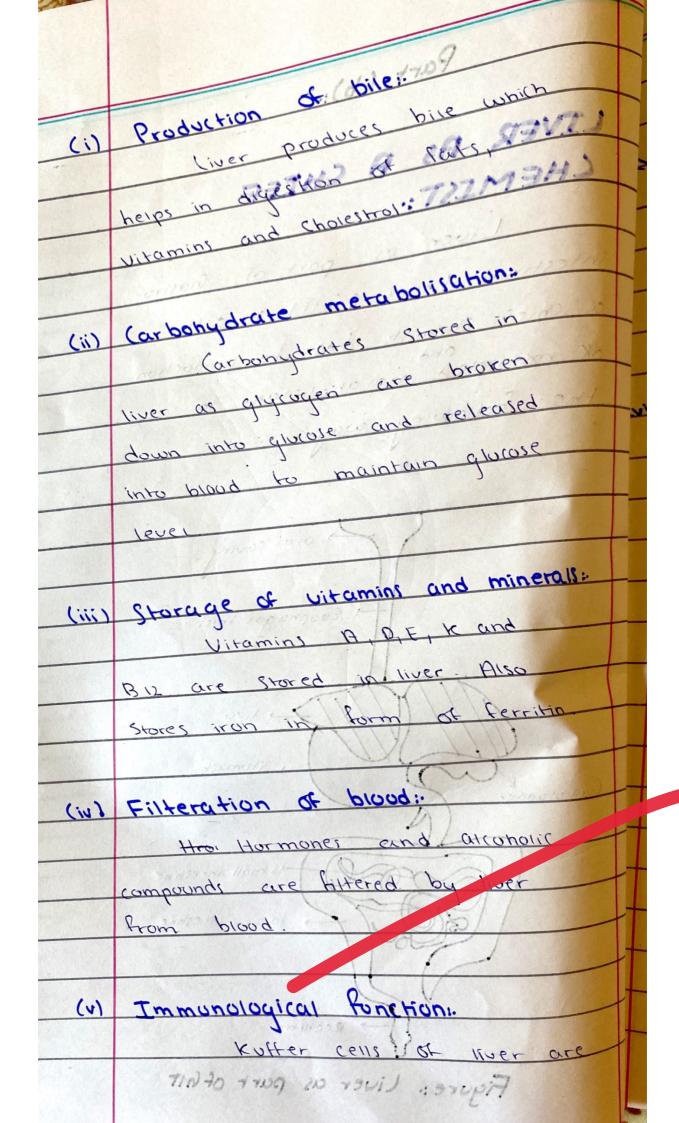
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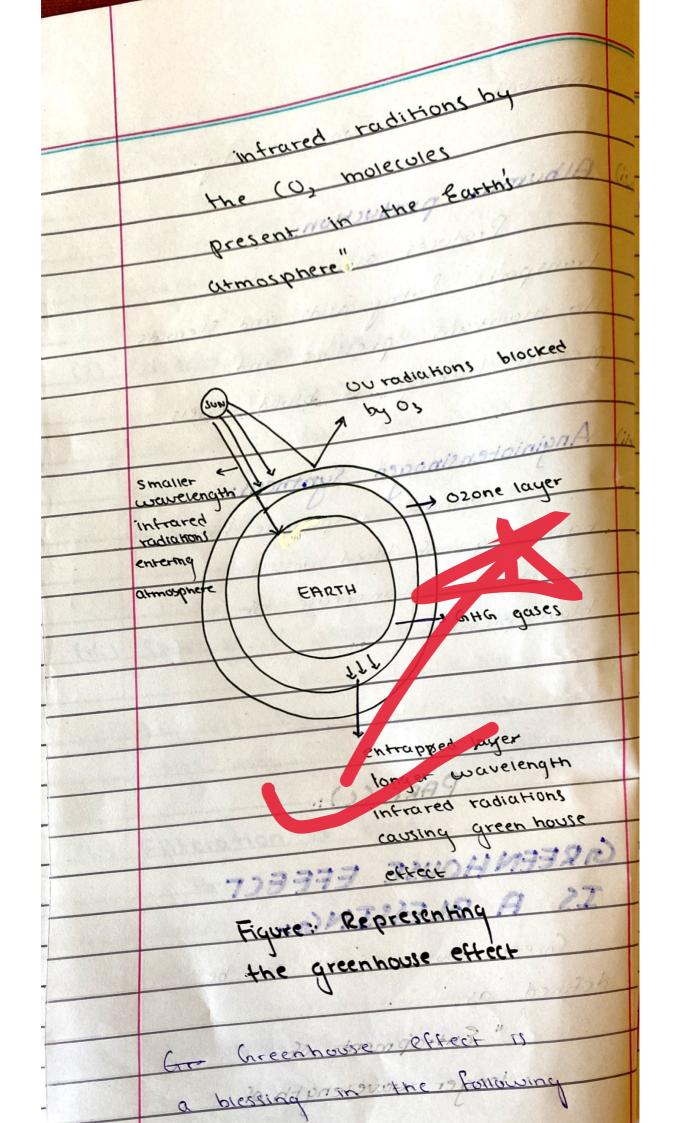
	Heart is adapted to be double	
	circulation in the following ways.	
- G	SYSTEMIC CIRCULATION:	
(1)	Systemic Circulation carries	
	oxygenated from left ventrale to	
	the Histor capillaries in the	<u> </u>
	Pollowing ways of months	
(i)	Oxygen rich blood is transferred	¥
	to the agriculating into	
	various parts of body from left ventricle	
(ii)	Veins and verses carry carbon- tioxide rich deoxygenated blood	
(iji)	Deoxygenated blood is pumped	
1	back into superior vena (qua	
0	and then to right atrium	
((0)	From right atrium blood	40+00-00
e	enters right ventricle for	
	And white the same of the same	
(D) P(LHOWARY CIRCULATION:	
	The blood circulation starts	1000
S.	om right atrium to the	

	in the
	106+ ventrecte tie atrium in the
	Demonstrate way is
	following way:
	Polmonary contery collects the
(1)	Polmonary artery cons
	proof from Figure
	carries to long for oxygen about
	After oxygenation blood is
(11)	After oxygens
	pumped back to the left atrium
	through pulmonary vein which
	is carried
(iii)	& From Engh satisfant 1eft atrium
	blood is carried to left ventricles
	and into aurta for A circulation
	and into accept
	of oxygeneated bood
	Bannet a book barnageros
	Hence unite keeping
	oxygenated and deoxygenated
	· brood segarate, broad passes twice
	through heart in one cycle
	with tight half mobbement in
	。
	dox por onary circulation and
	left half involvement in systemic
New York	circulation, heart is adapted
	to double circulations
	The second of th





	involved involvement activity.
-	Albumino & production: 1000000
	Produces attorning these
	transports tath acids and se
	presente leareage of blood vessels
1	
(vii)	Anginiatensing en Synthesis:
	harrowing of blood vessels
	blooder pressure
	VIII -
	entrapped layer
	PART (():
1	GREEN HOUSE EFFECT
-	IS A BLESSING
	defined as
+	" Entrapment of
1	longer wavelength of



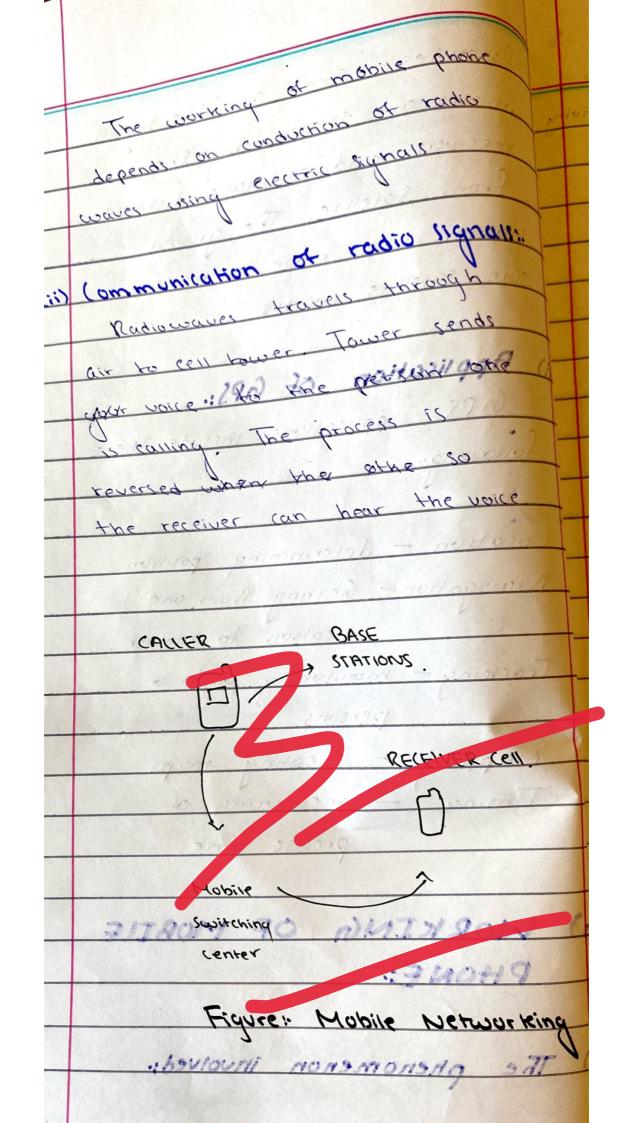
_	way as sort at Having to decord	(vi)
-	way.	
_	Maintenance of habitable	
(i)	temperature:	
-	Through entrapment of	
-	inrough it increases	
-	gases within a limit, it increases the Earth's temperature from	(v)
-	-20°C to 15°C that is conducive	
-		
	for living	
	theat	
(ii)	Reduction in amount of heat	
	that rescapes rearth and matter	
	Troposphenie ozone (03)	
-	absorbs Intrared radiations and	
	helps to reduce the amount	
	of radiation that escapes into	
	space	
	12 11 11 11 11 11 11 11 11 11 11 11 11 1	
(iil)	Milder climate in facen region.	
	Through increase at temperature	
	green house effect marcen milder?)
	Charles & Shares & Sheria	
	Climate for habitation in Siberia,	
	Antartice and Artic	
	the set (a) the sent	

	Grant of plants in Frozen
	o orant
(vi)	Granth of pa
	regions:
	regions:
	Plants in Antartica and Processing
	Article Manager Control of the Contr
	- Coherer
(v)	Cooling of Stratusphere
and all the second of	as thermal intrared absorbed (ii)
	211: Lad 8
	and to trooms of nonscens
	ENHANCED GREENHOUSE
	EFFECT AND IT
	RELATION WITH GLOBAL
	WARMING:
	Expanced effect of the
	due to anthropodenic activity
	greenhouse gas results in
	phenomenon of global warmings
	in the following ways
	2001 100 100 100 100 100 100 100 100 100
(1)	
	of Earth's atmosphere:
	(Oz as part of preen House
	Gas (GHG) has the highest

Radiative Force: that is the measurement of heat capture page gases as proposed by sow Inverbational Panel on amure Change (TPCC). Increased amount of CO, with results in global warming mettys nortoproproprostos (ii) Longostermonpresence of 646 prot enhances global warming Hisolan pais a mit revielty, a gentions cas takes are converts into (0) in the atmosphere. 40% cox will remain in atmosphere for 00 years. 1.69 (BULLETAS) (iii) Acidification of ocean leading Global warming: Trereased absorption of (02 by water resource leads to arx xa changes in perform of precipitation resulting in global warming/100012 2900 . 34019 COMM ON COLHON

	30 40 609
	PART (d): GLOBAL
	WORKING OF GENERAL ONTITUNING POSITIONING
	TOUGOF GERMA
1 (NORKING OF SYSTEM: POSTITIONING Positioning
	POSTITIONING Positioning
	POSITIONING Colobal Positioning Lister Gos can be defined as System Gos can be defined as
	System GPS can be
	"Radio navigation system
	1 400 000
	1 designation of the xact total
	time and velocity
	irrespective of weather
	irrespecial and and and
	Conditions."
	2 CoOs sustema
Li	Components of GPS systems
	SATELLITE
	ANTHO SPEINS OF CO.
	VINDO TO MORTIDADIO IL
	Continuous (petala) parkosi
	The Control of the Co
	of Hodi said south and
	GROUND GROUND
	DECEIVERS STATIONS
	Figure: GPS signalling
	Common cation

Lhe signals	
Satemites send out the signals	
Served by the	
which are seeked by the	.1
ceivers and land	
from satellite. The ground	
from Jarenne	3 011
Station uses radar ha make	A Company
Sure satellite works.	
sure satemine	
About the second	and the second
(1) Application of GPS:	
(1) Application	
Cops applications include the	-
following:	
2 may 201 201	
· Location - determining position.	
Colarion from one	
· Navigation - Getting from one	
plocation to another.	a la junction
· Tracking - monitoring object or	
persons	
· Mapping - creating mans. · Timing - measuring of	
Chapping	
· Timing - meaning	
precise time	Separate Separate Separate
A Sticiotal	
A STATE OF THE STA	
b) WORKING OF MOBILE	Addition of the second
PHONE:	
Figures Mubile Metasorking	
(1) The phenomenon involved:	



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PARTC	A):	
- Inno	10000 (m)	
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due to h	oclear stability.	-
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an instabl	e atom loses	-
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DIFFERENCE	BETWEEN	
ARTIFICIAL A	NO NATURAL	
RADIO ACTIVI	Y: Tribitant	-110
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Natural	Artificial	
radioactivity	radioachvity	
(i) Process that	Han made	-
(1) 110(62) 11111		

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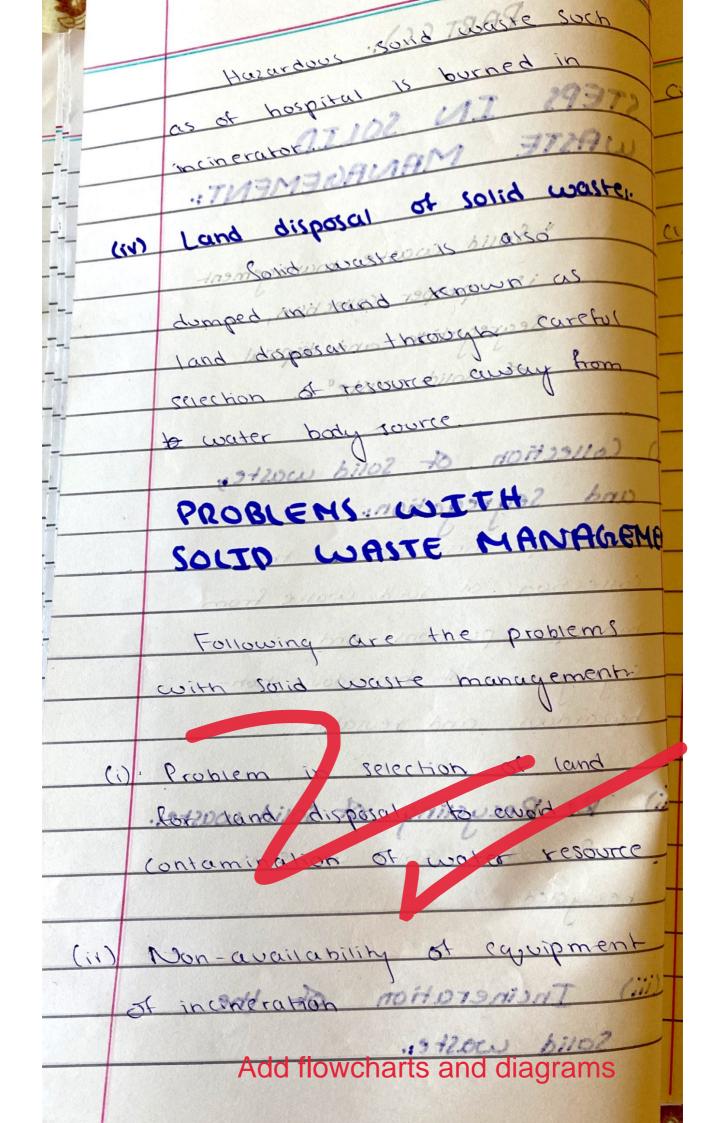
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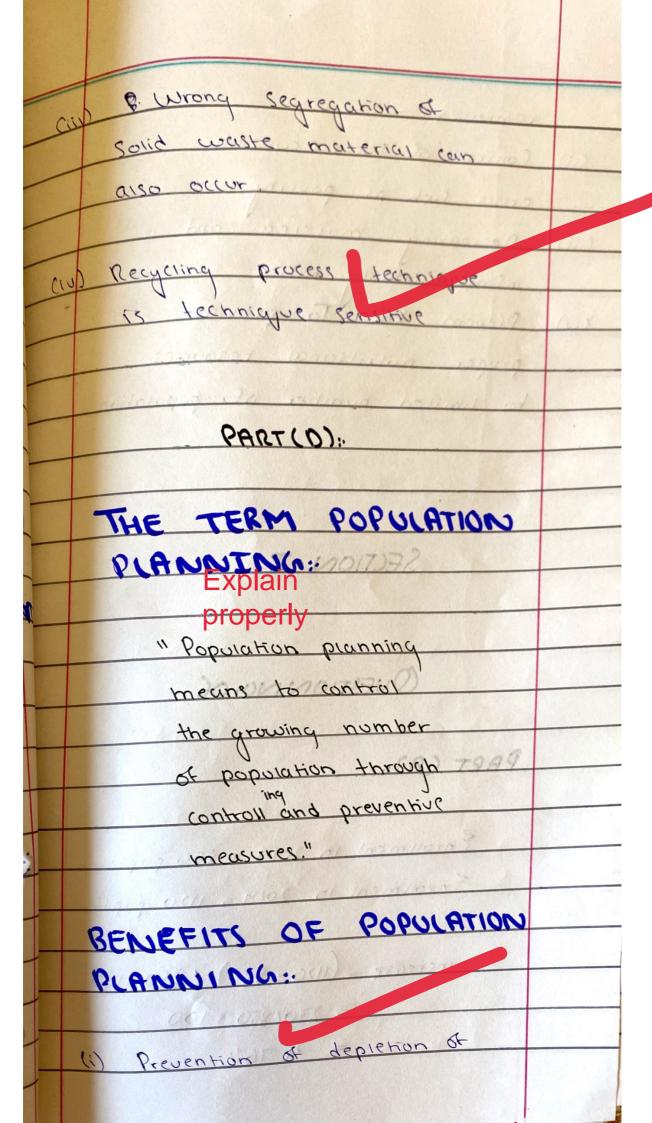
	Mint partinger donords	
	PART (B):	
T	HE DISEASE OF POLTO:	
	Entrance Eden out (1)	The second secon
	Polymelins can be defined	
as	Prevention of police.	(111)
	10 maring 10 may 2	
	"Inability to move	
	or, walk or muscle	
	weakening due to	
	the affect of	
	polio virus on the	
	(entra) hervous	
	morr	cial.
	32032iBystema" to apitonissol	CVI
(0) 50	Imptoms of polio:	
(a)		
(4)		
		Company of the second
(()		
(4	Muscle pain	the process of the second
	disciplina and the	
(ii)	Cause of polion	
	e to the virus spreading	

Al

through following ways . (b) Contamination (c) Sama contaminated (iii) Prevention of polici: Prevention of polio involves (a) Vaccinations silve (b) water resource prevention from contamination (c) Hygienew care oilo from (iv) Vaccination of pour disease Two types of polio Vaccinations 109 to morigony? (a) Inactivated polio virus (TPV) by injection (b) Weakened Jolio Virus (OPV) by mouth (11) Cause of policie

-	PART CO:	
_	a hand in whomist to e	
	STEPS IN SOLID	
	WASTE MANAGEMENT:	
	WASTE MINIORETALIA	CVI
-	13120cm biloz to 1020gzib brip.1	
-	" Sould waste management	
	is proper collection,	
	Segregation and disposal	
	of solid waste"	
	OF SOME SESSE	
	Economic District	Fre (Sales
	(1) Collection of Solid waster	
	and Segregation: 243 18099	
1	Prop First Step 15 the	
	collection of solid waste from	
	moltiple positions and	
	d basardons bon-	
	Segregation of hazardous, hon-	
	hazardous and reusable.	
	Book 200 Medialist To Maridia 7	(6)
	(i) Re Recycling of solid waster.	
	leusable solid waste 15	74.0
	tecycled.	
	Marine metal	(1)
	(iii) Incineration of the	
-	Solid waster.	





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	a conomic Amer
	Control of Social Conomic
<u> </u>	crisis such as poverty and maternal and
	Decreasing materine
111)	or to the
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	PART (A): 14 MOHNINGS TO PART (A): 14 MOHNINGS TO PART PART PART PART PART PART PART PART
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	COUESTION MUIOS PART (A): H. MITTON BARRON PART (A): H. MITTON PART (
	COVESTION NOI OF PART (A): 4 Minusero ant Part (A): 4 Minusero ant Proliment in 2023 = 850 papils Envolument in 2024 = 1120 papils 90 increase = (1120-850) 1500 mons
	COUESTION MUIOS PART (A): H. MITTON BARRON PART (A): H. MITTON PART (
	COVESTION NOI OF PART (A): 4 Minusero ant Part (A): 4 Minusero ant Proliment in 2023 = 850 papils Envolument in 2024 = 1120 papils 90 increase = (1120-850) 1500 mons

1		Hence, percentage perease in
1		enrollment is 31.761.
1		
		PART (B):
		2 1 1 1 1 1 2 1 1 2 2 3 1 1 1 1 2 3 1 1 1 1
1		Man is 5 times old as
1		his son
		Two years ago sum of 7999
_		age was = 114.
		mix x C = 2 suptails potest 2209002
		Present age of son = x
		Present age of man=y
		Criven y= 5xl grant hassel
	00	
		Two gears ago)
		contain to the
		$(x-2)^2 + (y-2)^2 = 114$
		200 x2 -4x+4+y2 -4y+4=114.
		22+y2-y(x+y)+g-117
		Almy & P
		X2+72X5 - UX-50X +8=114
+		26n2-24x=108.
		LANGE OF THE STATE

	value of
	using factorisation value of
	x is 2.5
	Son's present age = 2 and a hark year
	Son's present ag = 12 and hell Man # present ag = 12 and hell
	10 Blo 12 cut
N.	n 1902
	PART COI "
	1/14 250 S S S S S S S S S S S S S S S S S S S
	Suppose total distance = >x km.
	War day 180 5100 1826327
	First Distance time taken = ti = x
	First Distance 1111
	Second Distance time taken = 60
	Average velocity = V = + 101 1/5 tance
	total time.
	Varca
	40.60
	HIII = 8 + CV X V V
4	= 48 km/h.
	MESTERIA EN 2004 EST
	Hence, average velocity is
	48 km/hr.
A CONTRACTOR OF THE PERSON NAMED IN	

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	OUESTION NOIOT	
+	190:07	
+	PART(A).	
	18+ NO =X	
	According	-
	According to problema	
	x16 = x-50.	
	x = 6(x-50)	
	x=6x-300.	
	Gx-x=300	
	5x = 300.	
	7 = 300	
	< 60	
	No. 15 60.	

ı

PART (B) WOLL MOITZEOUS) Tower height = 18 m .: (A) 79A9 Distance from base = 20 m Pythagorean theorem: Aerial distance = THeight + Base? 0-1002 + 202 =1275+700 = 1625 Therefore, the distance is 28 m

		E.
No.		
	PART (B) WOUND WOLTDEN	
-	DOT (B)VIII	
	PARTCH	
	Tower height = 15 m	
	Tower begge hase	
	Tower height = Nom Distance from hase	
1	are mi	
	o orear	
	Acrossance = VHeight 2 + Base 2	
	Acrostance = VHery	
	= 5225 + 400	
	1025	-
	=25m	
	CONTRACTOR OF THE STATE OF THE	
	Therefore, the distance is 28 m.	
	(here tare)	
	PA 27 (D):	
	Total Tariff = 30000.	
	16100	
	odd dates = 5th, 7th go on	
	-10000.	
	E a date	
	Even dates on , 8th	
	= 26000	
THE RESERVE TO SERVE THE PARTY OF THE PARTY		

for 2 days=15006 No. of days of stay 20000 12000 =50.