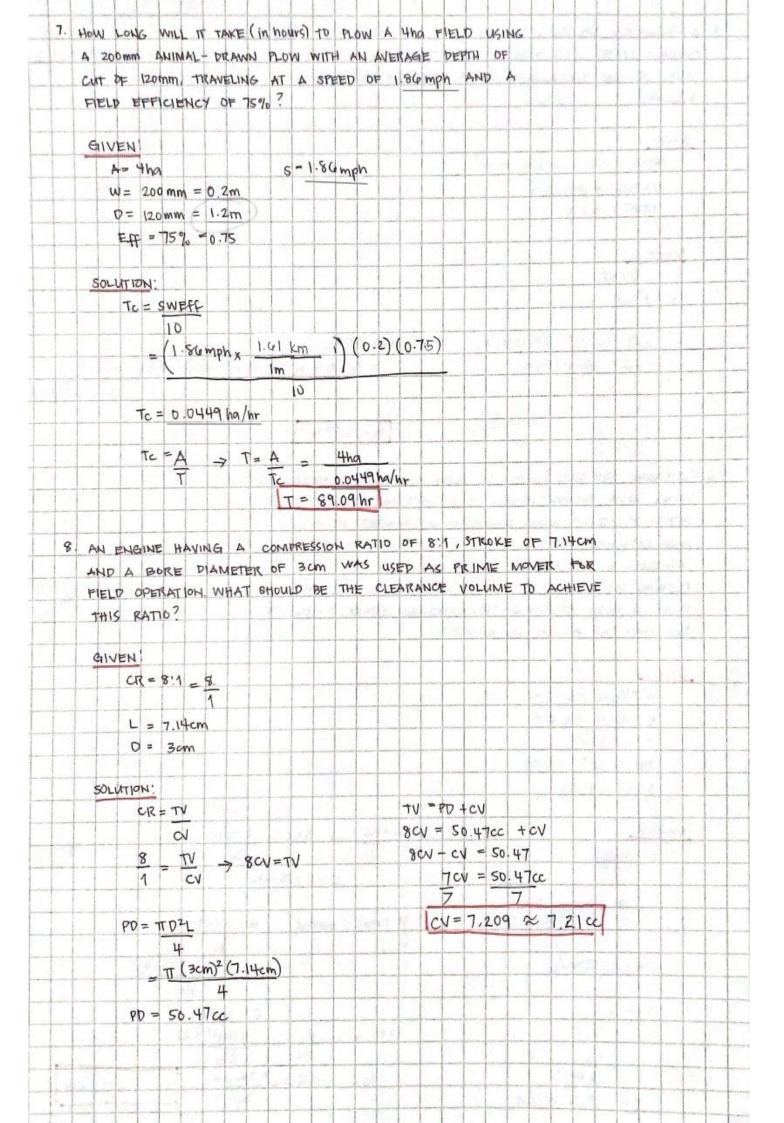
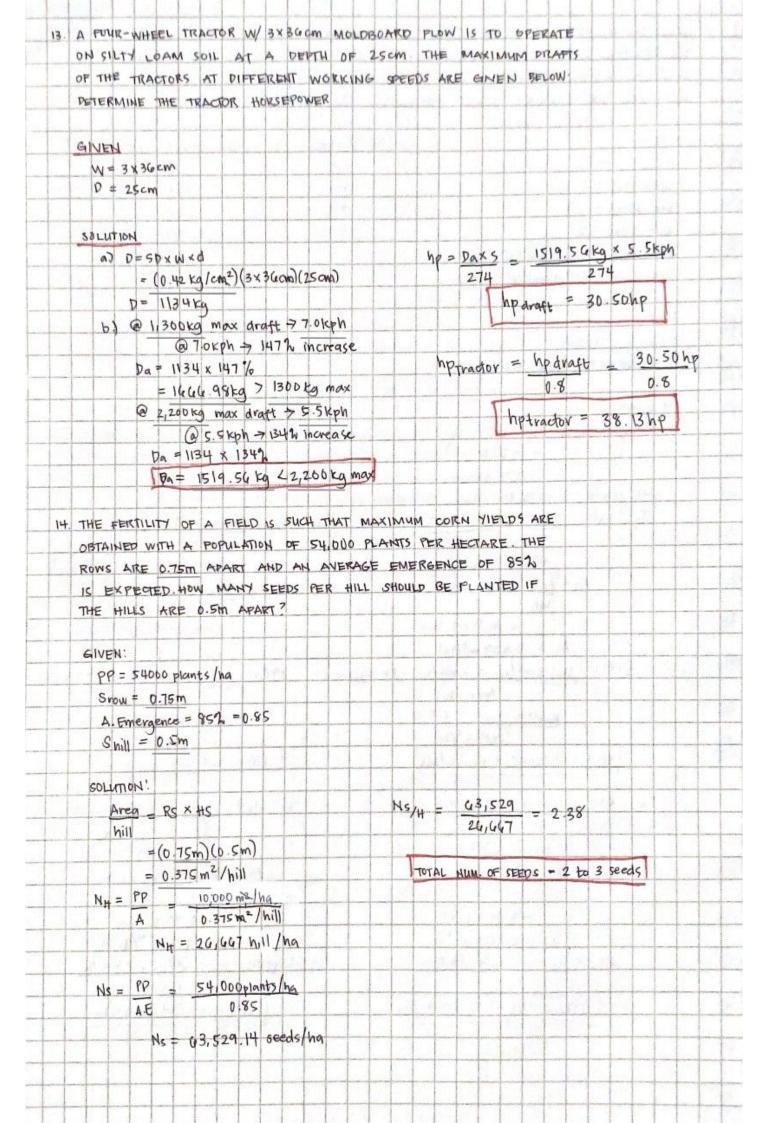


6. A STREAM HAD THE FOLLOWING	DATA: AVE	RAGE WIOT	H DE ID	et:				
AVERAGE DEPTH = 1.5ft, VELOCI			1	197	111			
			1 -		111		11	
WHAT IS THE THEORITICAL	TOWER AND	TILABLE TIE	DIVI INE	-				
STREAM?				-			1	
GIVEN:			111				1	
AREA = 10ft x1.5ft = 15	CEL 2				+++			
	377					17	11	
VELOCITY = 12ft/min					111		11	111
HEAD = 4.5ft								
SOLUTION:								
Q=VA								
Pt=PQH		++++						
0=(12ft/min)(15ft	2)	Pt = O	QH				TIT	
Q - 180 ft3/min		= 1	QH 62.418/FH	3)(18	SEL = / mi	1) (4.54	min )	1/ 1ho
1 1 1 1 1 1 1 1							605	SSON
								Ì
		Pt=	1.53 hp					
								11
G. DETERMINE THE TIME (hours)	TO BLOW	A HECTA	RE FIELD					
USING IGOM ANIMAL - DRAWN	4 4 4							
DEPTH OF CUT OF LOCK TR				h				
AND EFFICIENCY OF 30%. W	HAT IC THE	F TOTAL DI	STANCE (	(m)				. 8
TRAVELED BY THE FARMERS								
PLOWING OPERATION. IF THE	DRAFT REQ	UIRED TO	PULL THE					
PLOW IS 40 kg. PETERMINE	THE COMB	INED POWE	e output	OF				
CONTRACTOR OF THE PROPERTY OF	and the second second second						TI	
THE MAN AND ANIMA IN	KILOWATT.							1 1
THE MAN AND ANIMAL IN	KILOWATT.			ļ				$\dashv \dagger$
THE MAN AND ANIMAL IN	KILOWATT.							
THE MAN AND ANIMAL IN	KILOWATT.							
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m	KILOWATT.							
GNEN:  W = 10cm = 0.10m  D = 10cm = 0.10m	KILOWATT.							
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph	KILOWATT.							
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90	KILOWATT.							
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph	KILOWATT.							
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg	KILOWATT.				JUD.			
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10 m  D = 10cm = 0.10 m  S = 3.0 kph  Eff = 907 = 0.90  Draft = 40 kg	RILOWATT.	A-WD		<b>1</b> = 0	,1 <u>a D</u>			
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF	KILOWATT.		-> 1ha	<b>1</b> = 0				
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10	KILOWATT.	A-WD		<b>1</b> = 0				
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10	KILOWATT.	A= WD To	-> 1hc 0 = 62.	1 = 0 5 km	10			
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF	KILOWATT.	A= WD To	-> 1ha	1 = 0 5 km	= WDEFF			
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0 kph  Eff = 907 = 0.90  Draft = 40 kg  SOLUTION  C = SWEFF  10  = (3.0 kph)(0.16m)(10.90)	KILOWATT.	A= WD To	-> 1hc 0 = 62.	1 = 0 5 km A	10 = WDEFF			
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  D = 10cm = 0.10m  S = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10  = (3.0kph)(0.16m)(10.90)	KILOWATT.	A= WD To	-> 1hc 0 = 62.	1 = 0 5 km A	10 = WDEFF 10 = (0.16)	0 (0.9	8	
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10  (3.0kph)(0.16m)(10.90)  10  C = 0.0432 ha/hr	KILOWATT.	A= WD To	-> 1hc 0 = 62.	1 = 0 5 km A 1 hq	10 (0.16)	0 (0.9	8	
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0 kph  Eff = 907 = 0.90  Draft = 40 kg  SOLUTION  C = SWEFF  10  = (3.0 kph)(0.16m)(10.90)	KILOWATT.	A=WD To	-> 1hc 0 = 62. 3 missing	1 = 0 5 km A 1ha D	10 = WDEFF 10 = (0.16) 11 = 69.44	p (o.q	6)	
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10  (3.0kph)(0.16m)(10.90)  10  C = 0.0432 ha/hr	KILOWATT.	A=WD To	$\Rightarrow 1hc$ $D = 62.$ $rs missing$ $hp = DS.$	1 = 0 5 km A 1ha D	10 = WDEFF 10 = (0.16) 11 = 69.44 40kg)(3.	p (o.q	3	
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0 kph  Eff = 907 = 0.90  Draft = 40 kg  SOLUTION  C = SWEFF  10  C = 0.0432 ha/hr  Time = 1  C	KILOWATT.	A-WD TO	$\Rightarrow 1hc$ $D = 62$ $15 \text{ missing}$ $hp = DS$ $274$	1 = 0 5 km A 1nq D:	10 = WDEFF 10 = (0.16) 11 = 69.44 40kg)(3.	P. 0) Q C		
THE MAN AND ANIMAL IN  GIVEN:  W = 10cm = 0.10m  B = 3.0kph  Eff = 907 = 0.90  Draft = 40kg  SOLUTION  C = SWEFF  10  (3.0kph)(0.16m)(10.90)  10  C = 0.0432 ha/hr	KILOWATT.	A=WD To	$D = 62$ $M = DS$ $\frac{1}{274}$	1 - 0 5 km A 1hq D= (4	10 = WDEFF 10 = (0.16) 11 = 69.44 40kg)(3.	P. 0) Q C	0.3247	KW



I WM ANDOW! INDIA-PIKOKE RINGLE CALL	IDER COMPRESSION IGNITION
ENGINE IS OPERATING AT 1400 PPM . IF	
IS 2000, DETERMINE THE FOLLOWING:	
a) PISTON DISPLACEMENT	
b) COMPRESSION RATIO	
c) TORQUE	
4) AVERAGE PISTON SPEED	
alven:	
P=4cm	
L= 8cm	
N = 1400xbw	
CV = 20cc	
solution	
	c) P = 2TTN
$a) PD = \pi D^2 L$	746W (7hp = 2π T (1400rpm) x 1min
= T (Hcm)2 (8cm)	Inp Gosec
	T= 36.1 N/m
PD = 100-53cc	
TV= PD+CV	d) Sp = 2&N
TV = (100.53+20)cc	= 2 (8cm) (1400 rpm)
TV= 120.53cc	Sp = 22,400
10-120:33	
b) TV = CR = 120.53cc	
CV 20cc	
CR= 4.03 2 4	
1 1 1	
10. IF IT IS THE DESIRED TO REDUCE THE	FORWARD SPEED OF THE TWO-WHEEL
TRACTOR TO SKON WHAT SHOULD E	SE THE DIAMETER OF D2 IF DI S NI
REMAIN THE SAME?	
154 REDUCTION 2nd REDUCTION	3rd REDUCTION TRACTION WHEELS
N1= 1200 RPM N3= 477.45 RPM	NS= 127.32 rpm N7= 31.83 rpm
N2= 477.45 RPM N4= 127.32 RPM	NG = 31.83 rpm D7 = 50cm
D1 = 10cm T3 = 20 TEETH	TS = 25 TEETH SPEED = 3 Kph
D2 = 25.13cm T4= 75 TEETH	TG = 100 TEETH
and the second s	
SOLUTION	NATY = NETS
SOLUTION	וווווווווווווווווווווווווווווווווווווו
Vw= 1107N7	
VW= TIDTN7 3kph= TI (50cm) N7/1000 XGO	N3 = N4T4 (127.32rpm) (75t)
VW= TID7N7 3kph=TI (50cm) N7/1000 XGO N7= 31.83 KPM]	$N_3 = N_4 T_4 = (127.82 rpm)(754)$ $T_3 = 204$
VW= TIDTN7 3kph=TI (50cm) N7/1000 XGO TN7= 31.83 KPM] NT= NG	N3 = N4T4 (127.82rpm) (75t) T3 20t N3 = 477.45 rpm
VW= TIDTNT  3kph=TI (50cm) N7/1000 XGO  147= 31.83 KPM]  147= NG  NSTS = NGTG	N3 = N4T4 (127.82rpm) (75t)  T3 20t  N3 = 477.45 rpm  N3 = N2
VW= TIDTNT  34ph= TI (50cm) N7/1000 XGO  147 = 31.83 RPM]  147 = NG  NSTS = NGTO  NS = NGTO (31.83 RPM)(100t)	N3 = N4T4 (127.32rpm) (75t)  T3 20t  N3 = 477.45 rpm  N3 = N2  N1 D1 = N2 D2
VW= TIDTNT  3cph= TI (50cm) N7/1000 XGO  N7= 31.83 KPM]  NT= NG  NSTS = NGTO  NS= NGTG (31.83KPM)(100t)  TS 25t	$N_3 = N_4 T_4 = (127.32 rpm)(75t)$ $T_3 = 20t$ $N_3 = 477.45 rpm$ $N_3 = N_2$ $N_1 D_1 = N_2 D_2$ $D_2 = N_1 D_1 = (1200 rpm)(10 cm)$
VW= TIDTNT  34ph= TI (50cm) N7/1000 XGO  147 = 31.83 RPM]  147 = NG  NSTS = NGTO  NS = NGTO (31.83 RPM)(100t)	N3 = N4T4 (127.32rpm) (75t)  T3 20t  N3 = 477.45 rpm  N3 = N2  N1 D1 = N2 D2

		ECIFICATIONS														F	
	1st R	EDUCTION	2nd F	EDUCT	ON 3	ard R	EDUCT	610	-	TRA	CTID	NV	WHEE	25	1	107	
		3000 KPM							1	N7	=	15r	pm		14		
		1000vpm			pm		14-11-000 III	1		07	=	50 cm	n				_
	D1=	10cm	T3 =	25t						Contract of the			OTKP	h			
	4.1	30cm	T4 =	100 F			Not										
	SOLUTIO	N:															
	Control of the	= N2 D2				N	4 = N5										
	The second second	N' D' = (3	3000 RPM)	(ocm)		Ne T	TE = NO	c Ta									-
		D1	30cm			To	= NST	5	(2	SORPI	M) (3	34)					
	N2-1	N2 = 1000					No	_ =	1	79	KPN	٨					
		T3 = N4 T4	Annual State of Concession, Name of Street, or other Desires, Name of Street,				Ta =	110	t								
1	1	N9 T4 =	(250 RPM)	100t)			VW = TT	-	The real Property lies								
	3-	N9 4 =	10001	PM			VW= TT	10	NCIM	In	1	1751	RPM x	1	km.	66	Se
	T	3 = 25t					Vw = 177	13	July 1	100	cm)	/		to	0 m	In	mi
	-				7 - 1 - 1	Country are	Vw=	THE RESERVE	COLUMN TO STREET	THE R. LEWIS CO., LANSING, MICH.							
				-			1		1	-							
		E TIE	ECTAOR C	011.50	OEB II	112	HEN	A 77	TACT	00 1	5 0	DEI2 A	TING				
		NE THE H															
A	T G 4K	Ph AND I	s pulling	Foul	36am	WOLDB	OAKD	Rallo.	MS	ALA	DE	TH					-
2	ocm, Ho	H THAM H	ectares c	AN BE	PLOWED	IN	IOHOU	RS IF	FI	ELD !	EFFI	CIEN	C7 15				-
		THE SOIL								ED	WOR	KINE	THE	-	+		ale
8	OIL? D	RAFT HP F	EQUIREME	MI ? TR	ACTOR H	P REG	MINEMA	ENT?	-		-	-		-	-		
-						1											
									-		-	-		-			141
	BIVEN:																
	GIVEN:	4kph															
	S=G.	4 kph 4 x 36 cm	≈ 0.36m														
	S=G. W=												7				
	S=G. W= D>	4 × 36 cm	0.20m										,				
	S=G W= D > Eff.	4 × 36 cm 20 cm ≈ = 78 2 = 0	0.20m														
	S=G W= D > Eff.	4 x 36 cm 20 cm ≈	0.20m														
	S=G W= O= Eff. t=	4 × 36cm 20cm ≈ = 78 2 = 0 10hrs	0.20m														
	S=G W= D= Eff. t=	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N:	0.20m					Da =	Ds >	1.42							
	S=G W= D= Eff. t=	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N: = SWEFF	0.20m						0.1100	× 1.42	300						
	S=G W= D= Eff. t=	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N:	0.20m						1411	x L.U	12						
	S=G W= D= Eff. t= SOLUTIO	4 × 36cm 20cm ≈ = 78 2 = 0 10hrs N': = SWEFF 10	0.20m ).78						1411		12						
	S=G W= D= Eff. t= SOLUTIO	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N: = SWEFF	0.20m 0.78 ).18	m) (0.7	8)			. > Da >	200	3.42	12 . Kg						
	S=G. W= D= Eff. t= SOLUTIO	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N': = SWEFF 10 = (G:4kph	0.20m 0.78 0.78	m) (0.7	8)			. > Da >	200	3.42	12 . Kg		.003.	669	) ( 4		<u>)</u>
	S=G W= D= Eff. t= SOLUTIO	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 782 = 0$ $10 \text{ hrs}$ $\frac{N!}{10} = \frac{8 \text{ Weff}}{10} = \frac{10}{10}$ $= 0.72 \text{ ha}$	0.20m 0.78 0.78		8)			Da =	1411 200	× 1.0 3.42 = Da	12 kg × 5			G (G)	) ( 4	-4крһ	<u>•</u> )
	S=G W= D= Eff. t= SOLUTIO	4 x 36cm 20cm ≈ = 78 2 = 0 10hrs N': = SWEFF 10 = (G:4kph	0.20m 0.78 0.78		8)			Da =	1411 200	3.42	12 kg × 5			6 kg)	)(4		<u></u>
	S=G W= D= Eff. t= SOLUTIO	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 782 = 0$ $10 \text{ hrs}$ $\frac{N!}{10} = \frac{8 \text{ Weff}}{10} = \frac{10}{10}$ $= 0.72 \text{ ha}$	0.20m 0.78 0.78		8)			Da =	1411 200 oft 3	× 1.0 3.42 = Da 27	12 14 × 5 74 = 4	14.80	)hp			-4kph	2)
	S=G W= D= Eff. t= SOLUTIO	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 782 = 0$ $10 \text{ hrs}$ $= 8 \text{ Weff}$ $= 6 \text{ G. 4kph}$ $= 6.72 \text{ ha}$ $= 6.72 \text{ ha}$	0.20m 0.78 0.78		8)			Da =	1411 200 oft 3	× 1.0 3.42 = Da 27	12 14 × 5 74 = 4	14.80	)hp			-4kph	<u>)</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 782 = 0$ $10 \text{ hrs}$ $= 8 \text{ Weff}$ $= 6 \text{ G. 4kph}$ $= 6.72 \text{ ha}$ $= 6.72 \text{ ha}$	0.20m 0.78 10 /hr /hr x 10hm		8)			Da =	1411 200 oft 3	× 1.0 3.42 = Da 27	12 14 × 5 74 = 4	14.80				-4kph	<u>)</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 78 2 = 0$ $10 \text{ hrs}$ $\frac{N!}{10} = 3000000000000000000000000000000000000$	0.20m 0.78 0.78 10 10 1/hr x 10hm	5				Da =	1411 200 oft 3	× 1.0 3.42 = Da 27	12 14 × 5 74 = 4	14.80	)hp			-4kph	<u>)</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 78 2 = 0$ $10 \text{ hrs}$ $= 8 \text{ Weff}$ $= (6.4 \text{ kph})$ $= 0.72 \text{ ha}$ $= 7.2 \text{ hr}$ $= (0.49)$	0.20m 0.78 0.78 10 1/hr 1/hr x 10hr 1/hr x 10hr	5				Da =	1411 200 aft Hp.	x 1.0 3.42  = Da 27  Iraft	× 5 74 = 4	14.81 24raf	t =	44	0.8	-4kph	<u>v</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 78 2 = 0$ $10 \text{ hrs}$ $\frac{N!}{10} = 3000000000000000000000000000000000000$	0.20m 0.78 0.78 10 1/hr 1/hr x 10hr 1/hr x 10hr	5				Da =	1411 200 aft Hp.	x 1.0 3.42  = Da 27  Iraft	× 5 74 = 4	14.81 24raf	)hp	44	0.8	-4kph	<u>)</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 78 2 = 0$ $10 \text{ hrs}$ $= 8 \text{ Weff}$ $= (6.4 \text{ kph})$ $= 0.72 \text{ ha}$ $= 7.2 \text{ hr}$ $= (0.49)$	0.20m 0.78 0.78 10 1/hr 1/hr x 10hr 1/hr x 10hr	5				Da =	1411 200 aft Hp.	x 1.0 3.42  = Da 27  Iraft	× 5 74 = 4	14.81 24raf	t =	44	0.8	-4kph	<u>v</u>
	S=G W= D= Eff. t= SOLUTIO C	$4 \times 36 \text{ cm}$ $20 \text{ cm} \approx$ $= 78 2 = 0$ $10 \text{ hrs}$ $= 8 \text{ Weff}$ $= (6.4 \text{ kph})$ $= 0.72 \text{ ha}$ $= 7.2 \text{ hr}$ $= (0.49)$	0.20m 0.78 0.78 10 1/hr 1/hr x 10hr 1/hr x 10hr	5				Da =	1411 200 aft Hp.	x 1.0 3.42  = Da 27  Iraft	× 5 74 = 4	14.81 24raf	t =	44	0.8	-4kph	<u>)</u>



		September 19 11 11 11 11 11 11 11 11 11 11 11 11	Discourage of the second	S 90 PET	ocal)
	WHAT ARE THE EXPECTED PLANT POPULAT	TONS PER	HECTARE?		
	GIVEN	NO. OF THE		Chech gar	10 (QW/SP)
	SROW = 0-75m	T=G	TW -	The state of the s	6/1
	seeds / hill = 2	T=8	1		5/1
	Emergence = 90%	T=10		- transition	4/3
120.50	# of rows = 2	T= 12			3/1
	# of colls of speed plate (SP) = 20				11121212
	Ground whole (GW) diameter = 0 (60m)			1742	
-			1-1-1-	1	
- saleris	FIND				
	a) HILL SPACING				
	b) EXPECTED PLANT POPULATIONS		1 2 2 6		
	SOLUTION				
	Circumference of SW = TID		141		
	= TT (0 (00 m)				
_	= 1.8849m				
-	HILL SPACING & EXPECTED PLANT POPULAT	ממ	- 1110	0 × 5/2	1.8849m x4
	T1: HS1 = CxSR = 1.8849m x4		3 . 453	SP	20
-	451 = 0.565			THE RESERVE TO SERVE THE PARTY OF THE PARTY	0.37698
TH	the state of the s		A3,	The second second second second	PS× HS I
	A1 - Avea = RSXHS	and make the		MII	
	= 0.75 × 0.545				0.75 × 0.37698
	A1 = 0.424 m3/mill			A3 =	
	EPP1 = 10,000m²/ha x seeds/nill x E	meigence	EPP3.	10,000m	tha x seeds/hill x E
	10,000m²/ha x 2 x 090	+++		In noon	Aveg/hill 2/hax2x0.90
	0.42 m3/hill				29
(tti)	EPP1 = 1 42,857 plants/hall		EP/3		9 plant/ha
institu	Tz: 452 = Cx5K = 1.88 x 5		74: HS	4 = CXSR	= 1.8849m x 3
7910				SP	20
	1152= 0.47)			1194	= 0.28
-	AZ = Anea R5XHS		<b>A</b> 4	= Avea	RS XHS
-	hill				75 x 0.28
-	A2 = 0.3525 m =/hill			The second second second	2/m3/m11
1	$EPP2 = 10,000  \text{m}^2/\text{ha} \times 2 \times 0.90$		EPP4	The second second	2/ha x 2 x 0 90
-	0.35				0.21
	EPP2 = 51,429 plants/ha		En	4 = 85,	114 plants/ha
- 1					

	FR HECTARE	IN WASE	15 11	13 14	2115	ED T	5 14	- Name		L. C. Ale		
	DR HECIPICE.					in and the	TT		II			
GIVEN				AR	Just	MENT			DISOH	MRGE/10 re	NOFE	sw(
GROUNDWH	EEL (GW) DIMMETER	=1.22m			clos	e				0		
wipth =	grows * Tin/re	w			1/4					140		1
NO. 0F 6	WREV =10				42					460		
					3/4	-		-		740		-
PIND					Ful	1		-	-	1100	+	-
a) CALIBI	RATION GURVE				1		1	-	-	1-1-1	-	-
SUUGA Cd	TMENT at 100kg/h	h			-		4	-	-	4-1-1		
				-	-			-	-	+++		-
SOLUTION				121-				+-	-	+++	+	+
Width = 9	roux x 711/ x 0.02			+	1	SE FOR	MULA	-		+++	-	
	row 13A			0	14	1.12		lon.	0-21		++	1
	1.6002m			X	1/4=	1400	× ×	1000	27	2	1	
	> 5 = TDH			-						Kg/Na		
	$5_{10} = \pi (1.22m)(10$ $5_{10} = 38.327m$	rpm)		-	-	14	2.87	-	+	Sinu	1	
	A = W X \$16			@	1/2							
	= 1.4002 × 38.3	27m		Application of the section	e Comments -	= 44	0 .	. 10	,000	n²/na		
	A = 41.33 m2				1/2	100	o kg	1 =	G1. 35	3m2		
	T T T				-	-	75.00	-	CONTRACTOR OF THE OWNER, THE	and the same of th		
				(9)	3/0							
					X 3/1	1 =	740	. ×	10,00	0 m <sup>2</sup> /hq 33 m <sup>2</sup>		_
					100.00					AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN TRANSPORT TO THE PERSON NAMED IN THE PERSON NAMED		
				1		X3/4 =	1204	15 3	= 121	kg/ha		0
			-				-	-		1-1-1-	44	
					Full			1			1	
			1	14-	Xq	= 110	00 19	X 10	1000W	14 ha	+	-
11111					V)	10	00 0	n la manual	(1-83	m²	+	-
					X.	- 1	79.85	1	21	19 kg/ng	1	-
								-			++	-
7. YOU ARE DESIG	NING A SOLAR POWE	R SYSTEM	FOK	A SIMA	LL	CABIN	THAI	NEI	DS 7	O GENER	ATE	-
3 KWH, OF EN	ERGY DAILY, HOW	MAN7 250	ow s	OLD'N )	BUA	2	1 d		000	WILC 10	u	
NEED IT Y	OUR LOCATION REC	IEVES AN	AVE	KAGE	OF	311/2	Hay	1			++	1
BIVEN		SOLUTION						1			1	1
and the same of th	in/day = 3000W	CONTRACTOR OF THE PARTY OF THE	T. let	x be	the	00 1	f pana	c			1	
Apartel =				1 1	1		-	+ 1				1
PS# = 5		1	day	(x.	250	Mil	onus/d	ay)	081	0)		
AND DESCRIPTION OF STREET	7 = 0.80			3 pane							11	
- TT - 80			1		-	,					11	
											11	1
4		-	· unanidament	1			AND DESCRIPTION OF THE PARTY OF	1		-	-	-

		POWER THAT CAN BE GENERATED ASSUMING THE WIND TURBIN
-	IS AT SEA LEVEL. Cp = 0.38	AND COMBINED CONVERSION EFFICIENCIES OF 424
-1	GIVEN	SOLUTION
-		
	NO. OF BLADES = 3	$A = \pi t^2$
	ROTOR DIA = 10 m	$=\pi(sm)^2$
-	V = 8m/s	A = 78.54 m <sup>2</sup>
	Cp = 0.38	Pt=1PAV3 x Cp
-	n = 42% = 0.42	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-		$= \frac{1}{2} \frac{(1.225 \text{ kg})(78.54 \text{ m}^2)(8 \text{ m/s})^3}{\text{m}^3} \times 0.38$
		and the state of t
		Pt = 9359 45 W
		Pc = ne nmnt
		= (0.42) (9359.45)
		Pc = 3930.97W
		LOCKED- ROTOR CURRENT (STARTING CURRENT) FOR A 4.5Mp, 220 Vdt,
- 1	SINGLE - PHASE MOTOR, WITH	H MOTOR COPE:
	GIVEN	SOLUTION
	P=4.5hp	Imax = P
	V = 220V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	single phase	= (7.09 KVA/hpx 1000 VA) (4.5hp)
-	H notor code = 709 KVA/hp	
		220V
_		Imax = 145.02 A
20		BY THE ELECTRIC MOTOR TO ROTATE A LOKE AT GORPM USING A
	5-INCH LEVER ARM	
4	GIVEN	SOLUTION
	m = lokg	F-ma
	N = Gorpm	$= (0 \text{ kg}) (9.8 \text{ m/s}^2)$
	L = Stnx 0 0254 m = 0.127	
	lin	T=FL
_		= (98 IN)(0.127m)
		T = 12.46 N m
		P = 2 1 TN
		(0)
		= 2 T (18 46 N m) (Gorgm)
		(0)
		P= 78 29 W