	PAGE NO:
	Days 5
	Ramush walks 3 km in 30 m.
	Romesh walks 3 km in 30 m.  T = 30 m = 6.5 h/speed = 3 = 6 km/hr
9.	Cay Corun. 60 km in 2 hr
	Speed = 60 = 30 km/hy
3 .	Train so km/hr in stri
	1 hr -> 50 km.
	3hr -> ?
	SOX 3 = 150 Km
4.	20 km → 1.5 hear.
	speed = 20 = 13.33 km/hr
5.	botom -> [hour
	speed = 10 = 10 &n/hr
	L
6	Still water = 15 km/hs
	Steam speed = 5 km/hr in stream speed = 15-5 = 10 km/hr
	up stacam speed = 13 3 - 10 xm/hs
7.	9 km up strum - 2 hour
,	det = 4km - 3km/ky
	time 2 h
	1.
8.	24 km downstream > & howo
	Still water speed = 10 km/hg
	24 km = 12 km/hr - 10 km/hr
	2 4 m/h

360 km > 5 hours speed = 300 - 60 4 m/h 9 60 km > 3 hours 10 speed = 60 = 20 km /hr 240 km = 60 km/h Dist = 240 = 4 hours 30 km -> 3 hours (upsbecom)
30 km -> 2 hours (down) 12 lotream speed = B-S = 30+3 = 10 fm Countream speed = B+5 = 30 - 2 = 15 km lhe B75=15 B=25 = 12.8 5 = 2 - 5 Km/ 20 km/h 13. Stoream speed = 5 km/hs downtream = 20+ = 25 km/by: updream = 20-5 = 15 Am /his  $120 \text{ m} \rightarrow 9 \text{ pconds}$  5peed = 9 - 120 = 13.33 m/s. 120 m > 9 pconds To km /hr 1333 X18 = 48 Kin/ha

K Total dist - 120 + 140 = 260 m Time = losec Consent 54 5m/hs -> m/s 54 ×1000 = 15 m/s 15+y=260 -> y=26-15=4 11 × 12 > 39.6 tm/hr. 4 hours - apstream
3 hours - downtream 16, Upstream speed = 20 = 4 = 5 km/h1 Sowndream = 20 = 3 = 6.67 km/h1 B+5=16.67 2B=11.67 B= 11.67 = 5.835 Km/h S= 6-67-B=0.853 &m/h 17. Still natur = 5 km/br Stream speid = 2 Powntheam speed = 5+ 2=7

Pime = D = 10: = 1.4 hours 18. Dist = 60+60 = 130 km Time = 1.5 + 1 = 9.5 hours Avg = 120 = 48 km/hz

PAGE NO DATE: 22 total length = 150+280 = 400m Relative Speed = Loo tolks = 100 ×1000 = 24.7P 3600 Time = 400 = 14-4 &C 20 km > 1 downstream to ten > x+20 apstruom Stream speed: 9 km/hr Speed - B down - B+ 9 up = B-g 20 - 90 = 9 B-2 B+2 B=6.63 24. Speed = 12x 1000 = 20 length of train -20x12 -240m total length = 20x18 = 360m plat form = 360 - 240 = 120 m TONO = 201X lep 2 20 - x 40 - 40 21 = 2.5 km/hz