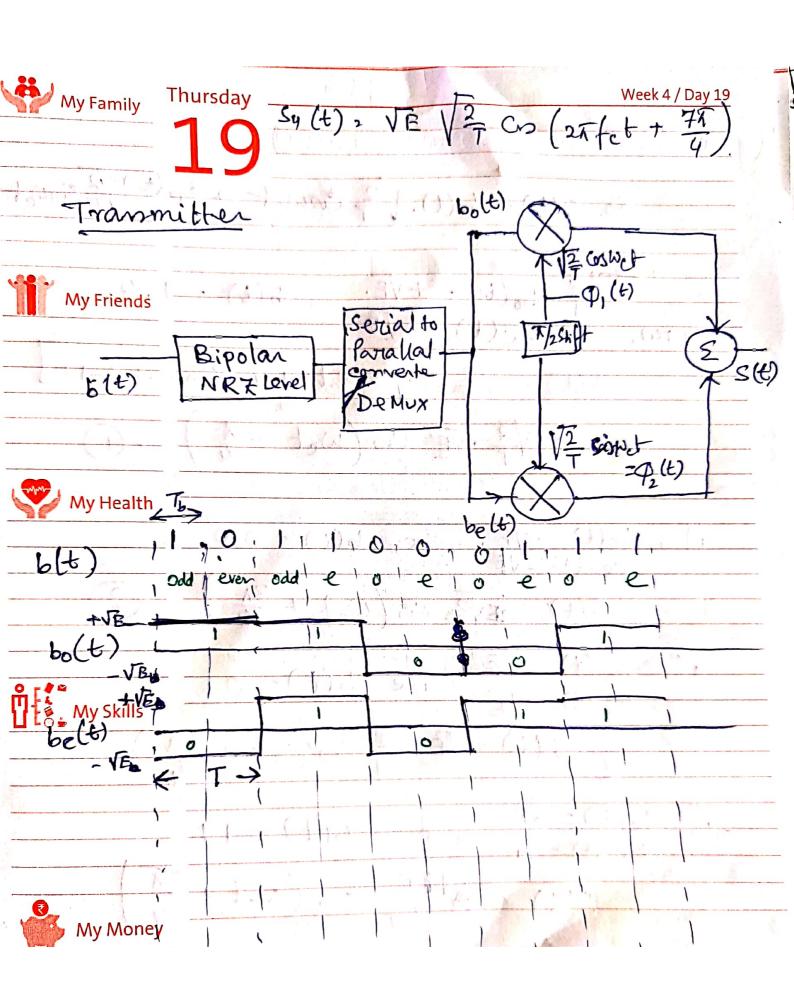


Week 4 / Day 18
My Family Wednesday So, Transmitted QPSK symbol Signal.
Enmol our Cianal
enerofo, I O signal.
Si(t) = VE. V= Cos (enfet + Pi)
2 1, 2, 3, 4.
My Friends P: 27 (:-1) + Costant
this cartant may o or 1/4
depending on this it may alled
My Health Conventional QPSK or Ny- QPSK
respectively.
T-QPSK
4 S, (t): VE. + (25/ct + T)
2/1. str. 10 2 31/1 1 1/3/21 10
My Skills
S2(t) 2 VE. √2 CO (2√tct + 3/4)
4
53(t) = VE V= co (2xfct + 51)
My Money



Friday

So, S(t) = 60(t). V= cower + be(t) 1/2 sinuct

NOW,

My Friends if $b_0(t) = +\sqrt{E}$, b(t) = 1,0

be(t) = -VE

S(t), V= VE Conuct. 1 + Sinwet. (-1)



 $b_0(t)_2 - \sqrt{E}$, ie, b(t) = 0.0.

S(+)= 1 Co (Wc) + 3

if bo (t) = VE ise b(t) = 01

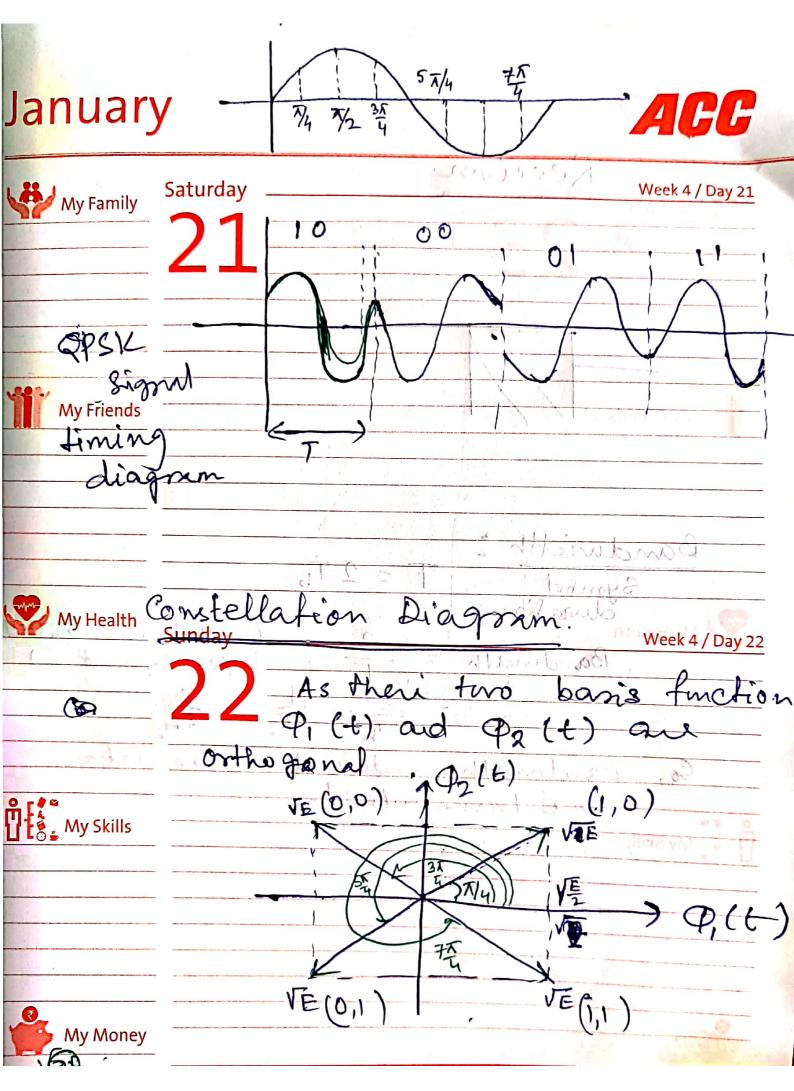
My Skills be (t) = VE

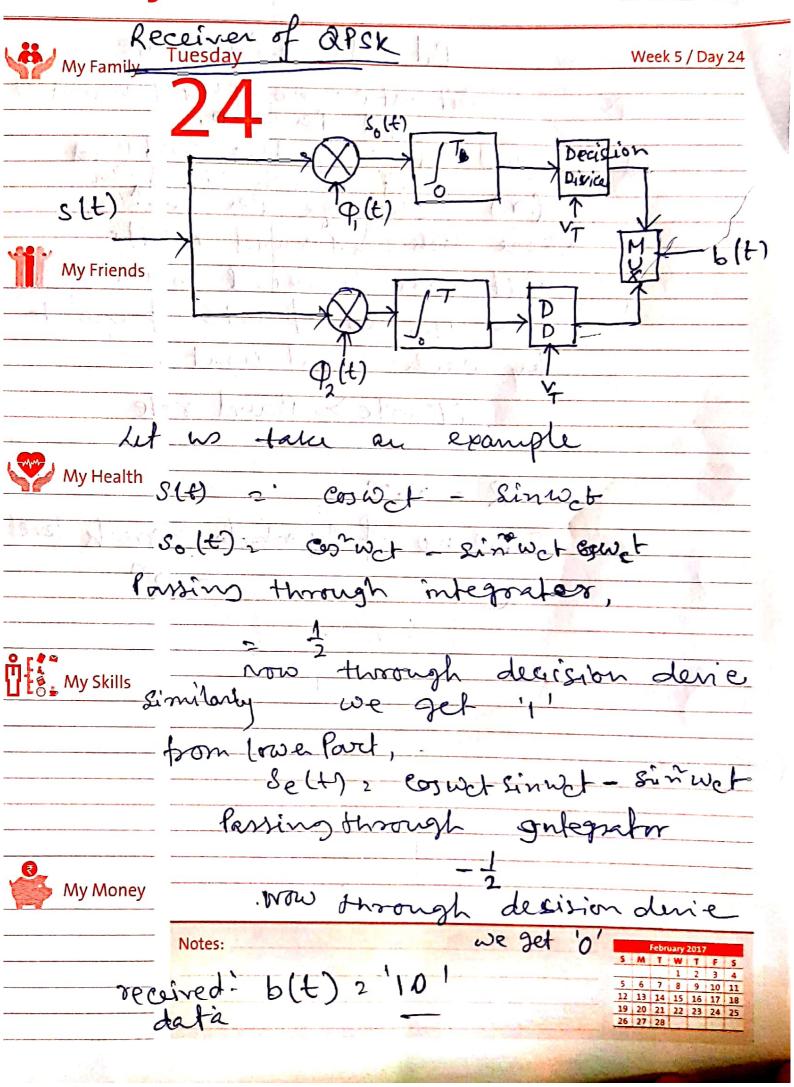
S(6) = VZE. V2 Cos (wet + 54

be(t)=VE i.e., b(t)=11



My Money -S(+) 2 1 1/26 /2 cm (wc+ + 7/4)





Bandwidth: T = 2 Tb

Symbol T = 2 Tb

My Health

Bandwidth: $\frac{2}{7}$ (261 transmitted

Per Symbol) $\frac{2}{27}$ $\frac{1}{2}$ $\frac{1$

My Family	Wednesday Bit rate & Band rate Week 5 / Day 25
	25 Bit rate: no of bit trammited
Bd	Boud rate: is the rate and (r) change per seci
	(r) change per sect
My Friends	Bit rate is equal to Bandrate
1	time the no of bits represent
	by each signal unit
	Bit rate >, Band rate
My Health	· R = n.~
1 38,0 49	Total no of symbols Signals level
The state of the s	10 1 1 1 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 1
My Skills	1 0 1 0 1 R2n
	M 10
10.5	R = 28.
ro 1 1	60
My Money	