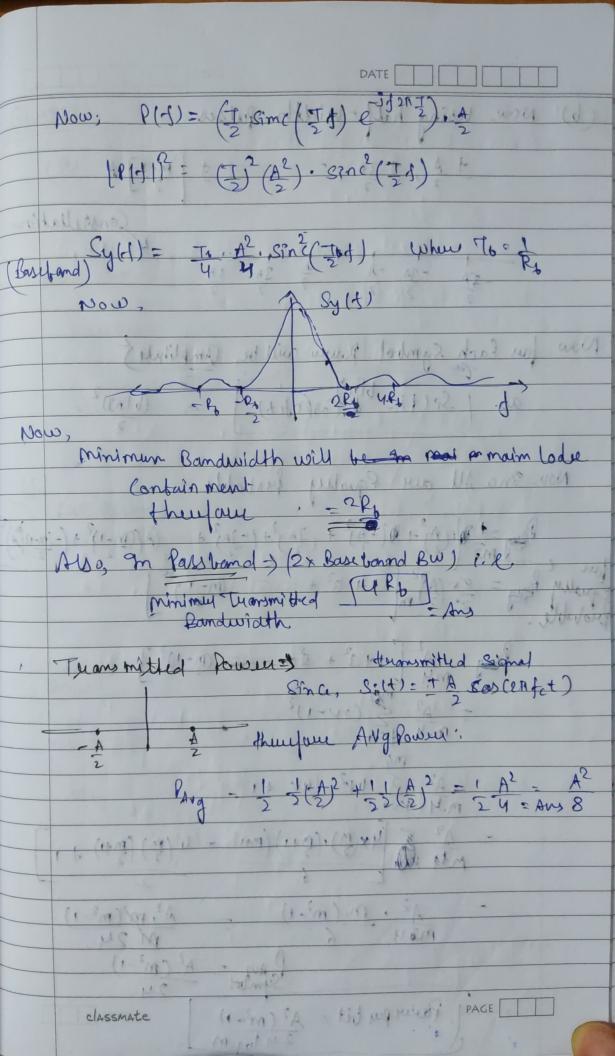
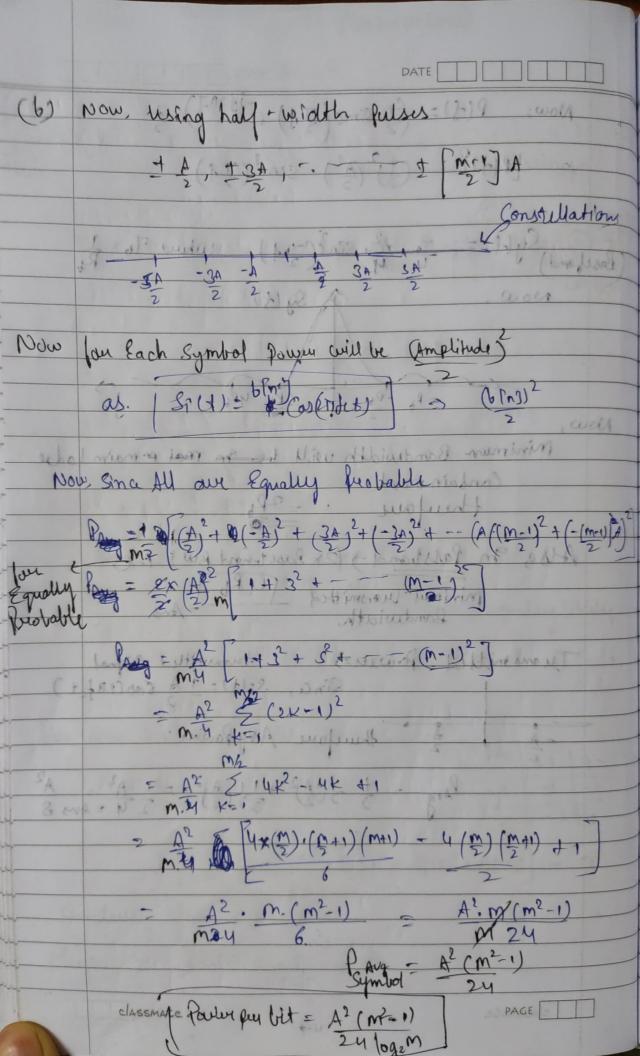
Name-Somish Singh Not (2024122003)	
Assignment - 5 DATE	
Ques 2 million to the state of the	mal (least ) No.
(winer that - winth butte than mis	sian with a
Polar Signalling >  Therefore Pt. 101001 Sind to Francis of map	Put) Some
+/4	
Also 6 [n] = ± 1 1	
Now. PSD of nett => S(A) = 1 E for e	Jan 14
Now, Pr= lim 1 & black)	
Now, lo = lim 1 & p[k]	
Now. Considering 0, 1 to be	
Ro = 1 [(N) (-1) <sup>2</sup> + (N)(1) <sup>2</sup> ]	
Also Since b[k), b[n+K] due Independent.	pich -11
R,= lim Y & b[k). b[k+1]	-1 -1 -1
= 1im 1 (h) (13+ h(13+ h(13+	4(-1)2] - 0
Similarly four nz 1 kn=0	
Hence Sx(f)= 1 = Pb	
classmate	PAGE





	DATE
Qu	183:
	Williaday marie and
	(au Griven Riterate Po
	pow. Minimum Theriotical Bus >
	asselvend (4) Passband (Pb)
	Control of Control of Southers
	NOW. We are using 16-ary PAM
	pour. But will be will be will and and and
	Baseband -> fo & fo
	(, 114 2, tog 16) (111 8 11
	Passband > Rb Rb Rb Ty JAns
	log, 16 My TANS
	It is fuduced by the factor of 4
6)	
	Let assume at a rate of Ry 2-PAM was beasingted
	PriHally.
	1 Pays: 12 (11 + 1 (-1)2
	Annal II Nina:
	Trolle of grantely 1802 of 2
14	Now for 16- Pin
- 0	12 1 14 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1
	-15
	Pung = 2 1811 4 (3)2 + (5)2 + (5)2
-	5160
-	Parg = 680 = 42.5
-	,16
-	405 - 505
-	Now Answard Power 42.5 2/85
_	, Povey got incurred by a factor
	0/85
	classmate PAGE PAGE
	classmate PAGE PAGE

