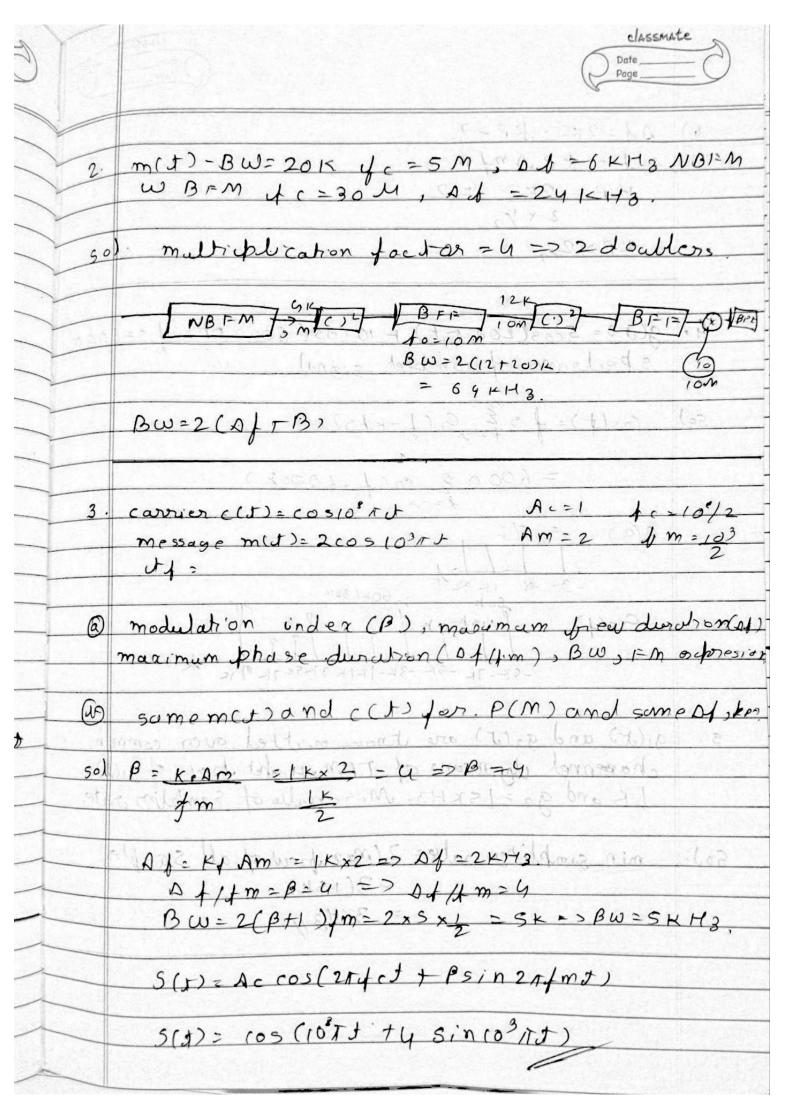
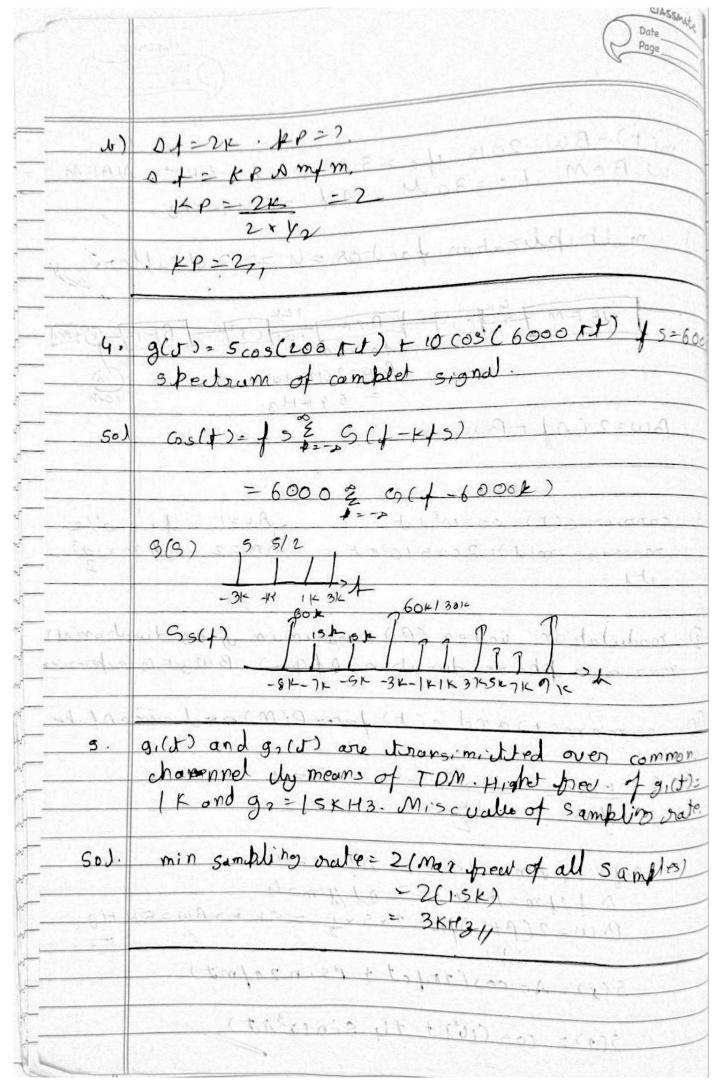
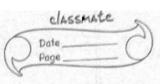
Scction-C PRATWAL.NA Property Scction-C PRATWAL.NA Property		PESIUGIZOECI36
1. \[\langle \(\langle \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	+	ODATION
(a) = fc + Kfm(t) Afm(t) = -105cos10 TJ Af: kf Am: 105 Band width Bw= 2(Af+fm) Bw= 2(105+10') Bw= 210 KHz. (a) a) S(J)= (05 [21 x10] - 205in 10 TJ) (b) f(J)=fc+ke dm/J) = fc-keAmfm 5in2de KP Amfm=105 RP = 105 = 2 ke 2		Unist - 2 (1) 10 - 1 (1) - 1
(a) = fc + Kfm(t) Afm(t) = -105cos10 TJ Af: kf Am: 105 Band width Bw= 2(Af+fm) Bw= 2(105+10') Bw= 210 KHz. (a) a) S(J)= (05 [21 x10] - 205in 10 TJ) (b) f(J)=fc+ke dm/J) = fc-keAmfm 5in2de KP Amfm=105 RP = 105 = 2 ke 2		
Afmit): $-10^5\cos 10^4 \Gamma J$ Af: $k \nmid Am = 10^5$ Band width. Bw= $2(\Delta f + fm)$ Bw= $2(10^5 + 10^4)$ Afmit $2(10^5 + 10^4)$ Expanding $2(10^5 + 10^4)$ Repair $2(10^5 + 10^4)$		{i(s) = 10° - 10° cos(10 ° 1 t)
Afmit): $-10^{5}\cos 10^{4}\Gamma J$ Af: $k_{\parallel}Am=10^{5}$ Bund width. Bw= $2(\Delta f + f_{\parallel})$ Bw= $2(10^{5} + 10^{4})$ Afmit $2(10^{5} + 10^{4})$ Afmit $2(10^{5} + 10^{4})$ KPAm $2(10^{5} + 10^{4})$ RP= $2(10^{5} + 10^{4})$		= fc + Kfm(+)
Band width. $B \omega = 2 \left(10^5 + 10^7 \right)$ $B \omega = 2 \left(10^5 + 10^7 \right)$ $B \omega = 2 \log kH_3.$ $(2) S(t)^2 \cos \left[2\pi x \cos t - 20 \sin 10^7 t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \sin 10^7 t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos 10 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos 10 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos 10 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos 10 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos 10 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$ $\frac{1}{2} \left(10^7 + 10^7 \right) \cos \left[2\pi x \cos t - 20 \cos t \right]$		1.1m(x) = -105 cos10 TJ
$\beta w = 2(10^{5} + 10^{7})$ $\beta w = 210 \text{ kHz}.$ $(2) s(t) = (05) [2\pi \times 0^{3}t - 205 \text{ in } 10^{7}t]$ $\frac{1}{2} (t) = 1 + \frac{1}{2} (t + \frac{1}{2} t + 1$		Band width.
B ω = 210 kHz. (a) ω		Bw= 2(15+1m)
(a) a $5(t)$ = $(0.5 [2\pi \times 10^{3}t - 20 \sin 10^{3}\pi t]$ a $f(t)$ = $f(t)$ f		$\beta \omega = 2 (10^5 + 10^4)$
$ \frac{1}{4} (s) = 1 + \frac{1}{2\pi} dm(s) = 1 + \frac{1}{4} - \frac{1}{4} + \frac{1}$		βω= 210 KHz.
$\frac{2\pi}{\lambda t} \frac{1}{\lambda t} = \frac{10^{5}}{10^{2}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{5}}{10^{5}} 10^$	(a) g	S(J)= (05 [21 x10] - 205in 10"x+]
$\frac{2\pi}{\lambda t} \frac{1}{\lambda t} = \frac{10^{5}}{10^{2}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{2}}{10^{5}} \frac{10^{5}}{10^{5}} 10^$		
$k = 10^{5}$ = 2 $k = 2$	<u></u>	1:(1)=1 C+ KP dm(1) = + C- KPAM + m 5in2rdm
$\frac{2P = 10^{5}}{10 \times 10^{4}} = 2 $		
		RP=105 =2 ckp=2//
용당 하는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은		







Six underpendent message signal of Business
4 - B. 사람들은 12시간을 다시 14개를 보고 있다고 있는데 보다는데 없는데 보고 있는데 12시간을 되었다. 12시간을 보고 있는데 12시간을 보고 있다. 12시간을 보고 있다. 12시간을 보고 있다.
Scheme for accomplishing in all
Scheme for accomplishing this with each message sompled at Nyquist orde.
min transmission Bw.
@ Highest Bw = 3w .two ble/sec
Ny gruis I hat e = 6 w sample/sec Max freat of commutation = 3 w sec/sec
a sent comblegent
Find general enderses of the alternational
$= 2\omega + 2\omega + 4\omega + 4\omega + 6\omega$
BW=12WH3.
g () = 10 cos 501 d / 8 = 75/43.
g (m)
g(m) g'(J) - opesult ing (n) with is= 75 Hz. Name. Phenomenon.
Find diff g(s) results ung(n) wish of s = 1343.
$g(n) = g(\sigma) \int_{-\pi}^{\pi} \frac{1}{1} = \frac{1}{1}$
g(n)=10008 50 1 m
gm)= 10 cos 2 Mh.

