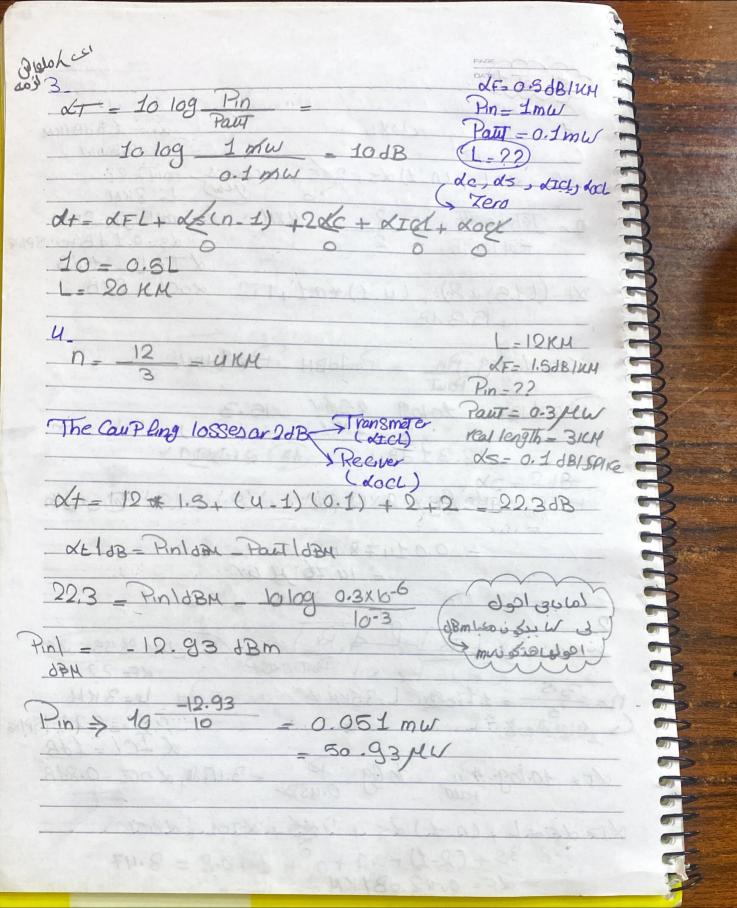
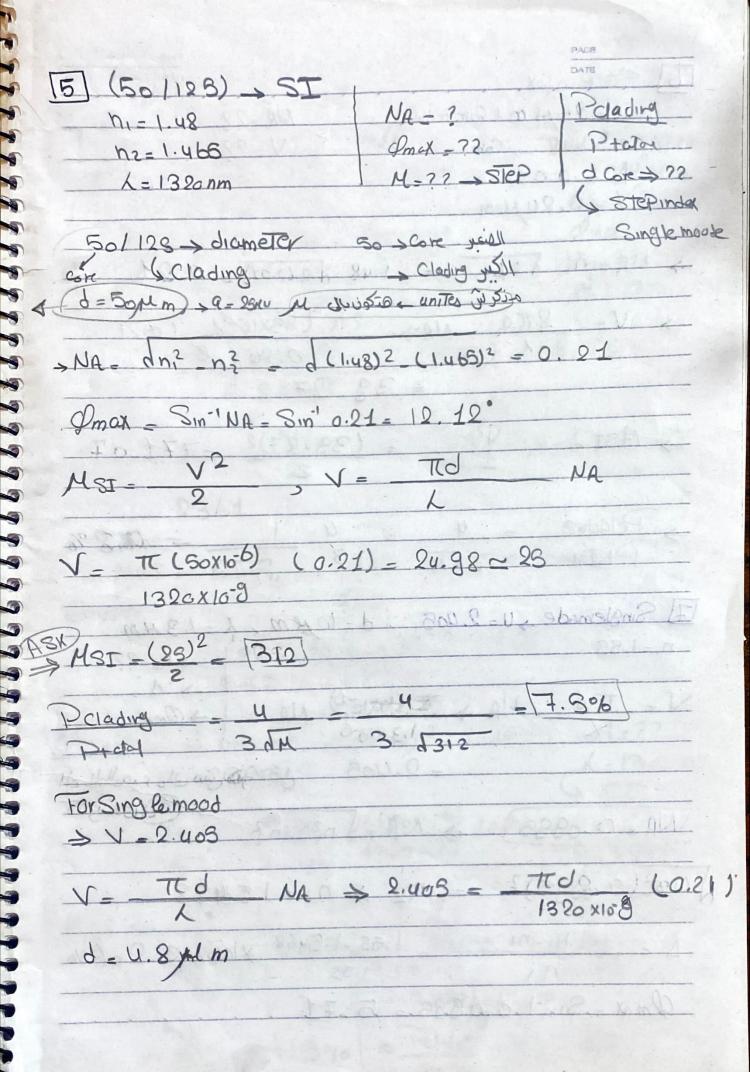
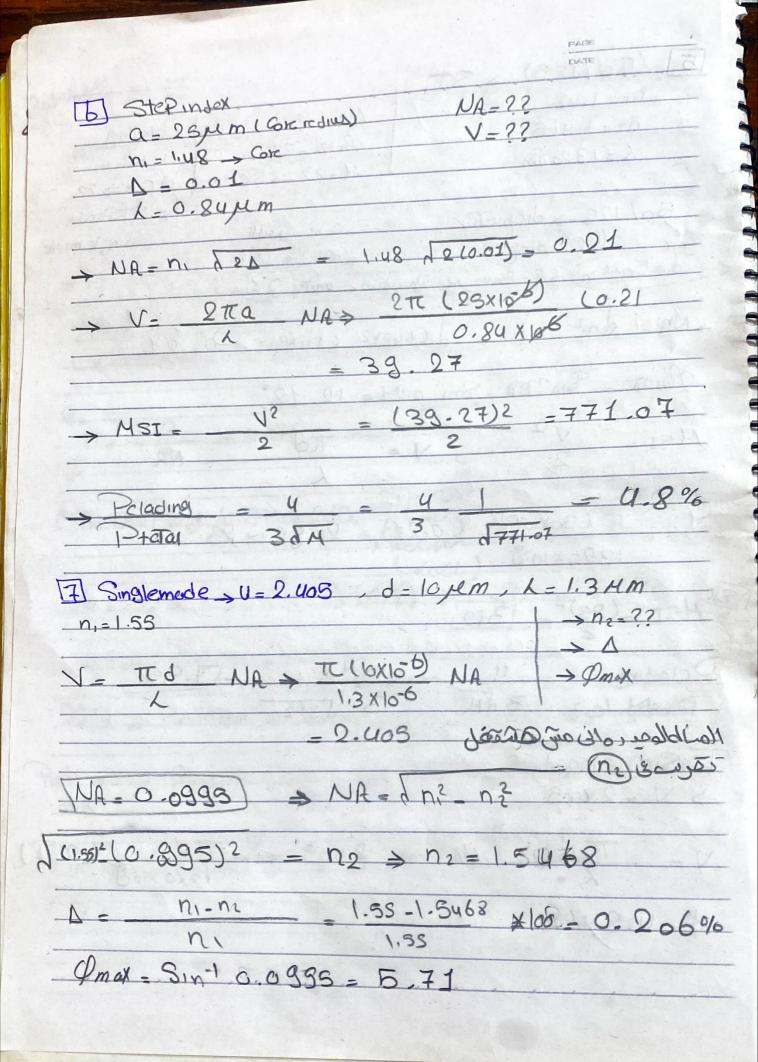
POJE 1 7 due 10 1039 Sec D Sheet: Calculation of otten untion in OPLICAL Fiber Communication SPGG8 Keaving Side Tran Smiller(tx) COBIE (XF) OIT (ds) TX STronsper Connectorat (xc) trumelectric LO OPLICE dF8- OPti Cal Fiber attenuation Coefficient (B) Ku) > ds & SPlice attinuation Gefficent (dB/SPlice) & C & Connector atten nation Gefficient (dB | Connector) -> dICE8 InPut Coupling loss (dB) Dang so sat ales = Sin-1 (NA LOCK & CUTPUT Compling loss (dB) Total Fiber length no noaf sections real leagth > (1-1) & go of SPINE

(C250)	(Fight)	PADE	
	(tldB= 10 log (Pm).	= PinldBm - Paul ld	Section Assessment
dBm	- 10 log B.w.	0-3	
- Tues -	ها ملانیه اها بقریها علی طول الاکبر	مامه مش موموده بعتب مامه مش موموده بعتب مامه مش موموده بعتب	اددا الارم
LTCL doct	V = Velocity of medical operture (NA) Core > Cladin Q = M12 - M2 JA = M1 NA2A		>n ₂
(dittement)	France Refractive index		» « .
1 Ome	CCEPTANG ONGLE (PMA)	TICLE LOPUT COURT	b <
Men I man	J = Tt d NA	V) a reduce	M = d 2 deraf

2F= 0.42 dB/KH+







18 NA n - 1.35 n2 = 1.51 d = 50 Mm (1.33)2 (1.31) = 0.35 1-0.8 Mm - Amax - Sin-1 0.35 - 20.49° TT d NA. M = 22 TC (30×10-15) (0.35) - 68.72 0.8 X 10-8 -> MSI -همس النوعين لا نوم مدد ش المزع 2361 > MGI = X MSI > ASSUME X=2 Gradelindex (2361) = 1180 19 NA = 0 n,2 -n2 -> d1.48) 2 (1.46)2 M-72 0,24 1=1300 nm CEI d= SOMM ~ 29 1=1.48 V2 MSI > _ 7-1.46 MGI = X MSI PClading SGI X+2 PClading SST $=\frac{(29)^2-420}{}$ Ptalal = 1 (420)=140 = 6.3% > Palading = 11.26% Ptara