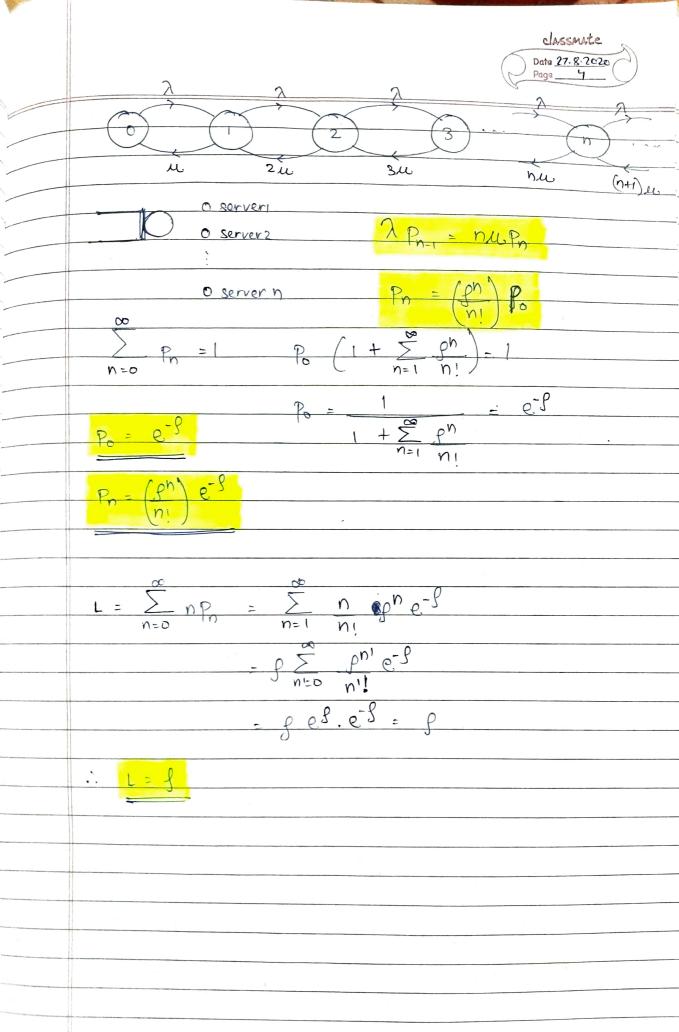
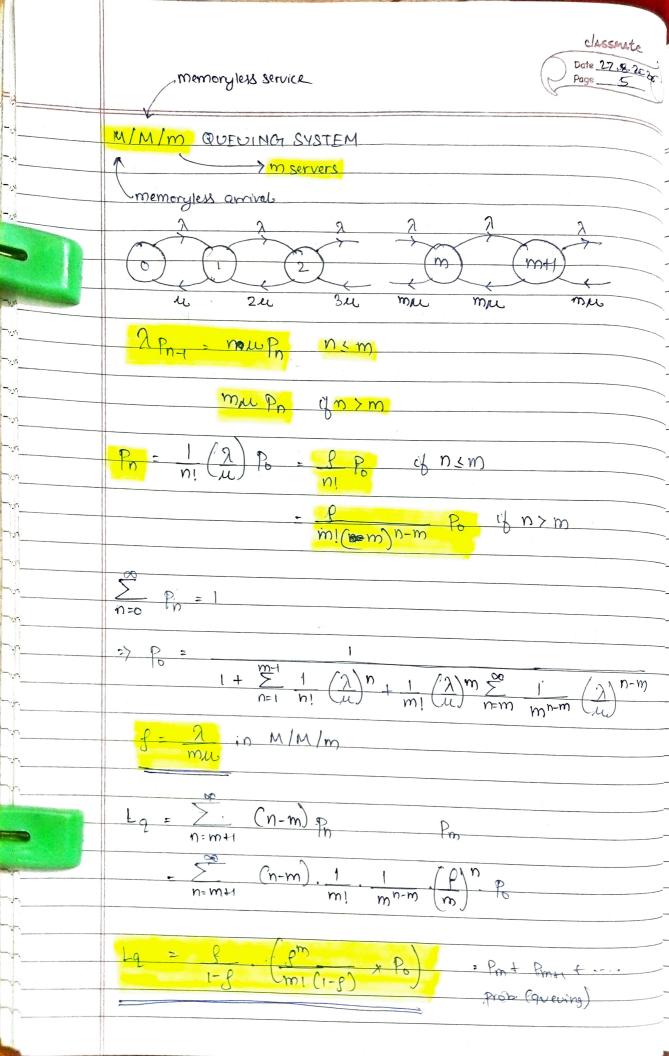


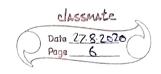
M/M/I/N

) Page 3 L-gL = Po (p+g2+p3+...pN - NpN+1) L(1-g) = Poff(1-pH+1) - NpH+1 L(1-9) = 9 - NONH (1-9) = g - NgNH + NgN+2 ?? 1-pNH 1-pNH1  $L = \frac{g}{1-\rho} \left( 1 - (N+1)\rho_{H} \right)$ for f=1 1= 1+2+-N = N N+1 2 M/M/ QUEVING SYSTEM

$$\omega = \frac{1}{\mu - \lambda} \left( 1 - (N+1)P_N \right)$$







after queue starts filling in, the system starts behaving similar to M/M/1 with service rate mu.

M/M/m/m	QUEUING	SYSTEM	
memory less	memoryless	m servers	man # customers /
arrival	service		packets in system
			Po Pn
M/01/1		M/D/1	
		(	
general Service		process.	
faccess			