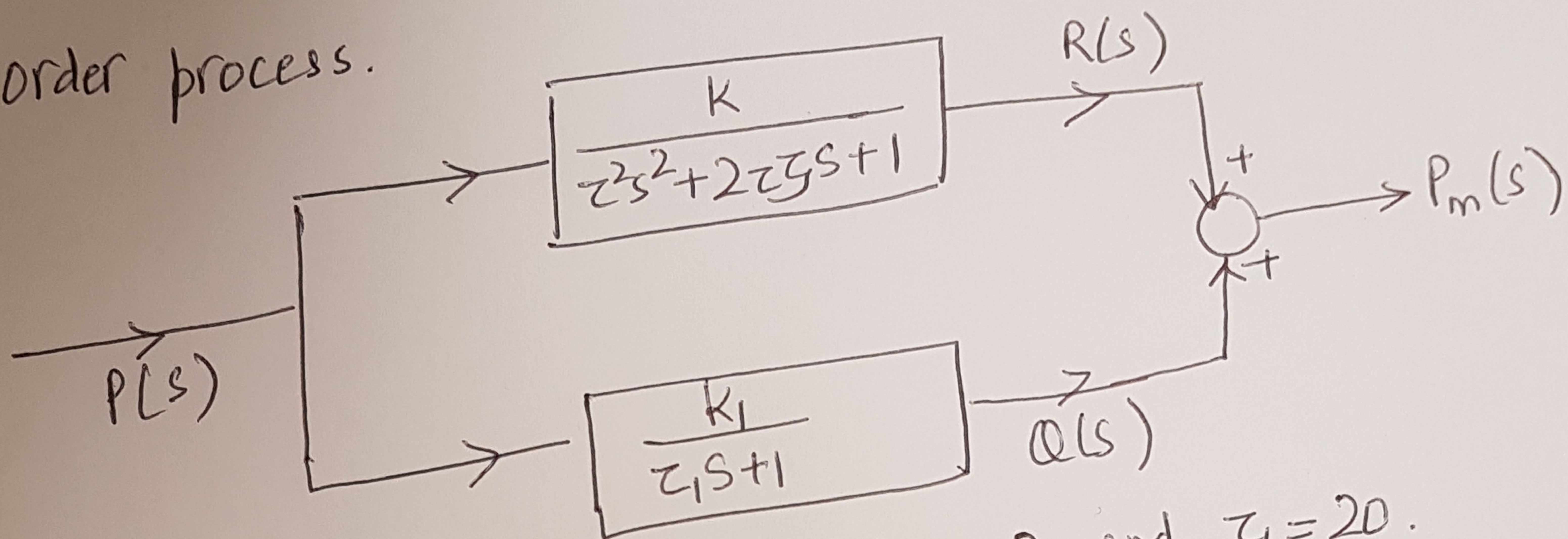


Ques: Consider the following model structure where second-order process is in parallel with first order process.



Preliminary test shows that $K_1 = -3$ and $\tau_1 = 20$.
An additional test is made by giving a step change of P from 2 to 4 and the results are tabulated below:

Time :	0	5	10	15	20	30	40	50	60	70	80	90
P_m :	12	15	24	28	26	16	18	20	18	17	18	18

Estimate K , τ and ζ