


Q.No.	Answer	Marks
A1	$T_s =$	0.3
A2	$P_{in} =$	0.3
A3	$n_\gamma(v) =$	0.2
A4	$P_{out} =$	1.0
A5	$\eta =$	0.2
A6	Qualitative sketch of η versus x_g <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p>Slope at $x_g = 0$: _____</p> <p>Slope at $x_g \rightarrow \infty$: _____</p> </div> </div>	1.0
A7	$x_0 =$ $\eta(x_0) =$	1.0
A8	$\eta_{Si} =$	0.2
A9	$\Omega =$	0.3
A10	$\tau_{KH} =$	0.5

Contestant
Code

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A T-1



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B1	$\Phi_\nu =$	0.6
B2	$f =$	0.4
B3	$E_{\text{imparted}} =$	2.0
B4	$V_{\text{Be}} =$ $T_c =$	2.0