Subiectul D.OPTICĂ

Nr. item	Soluţie/Rezolvare
III.a.	$\varepsilon_1 = \frac{hc}{\lambda_1}$, Rezultat final: $\varepsilon_1 = 6{,}6 \cdot 10^{-19}\, J$
b.	$\frac{hc}{\lambda_1} = L + e\lvert U_{s1}\rvert$, $\frac{hc}{\lambda_2} = L + e\lvert U_{s2}\rvert$ $L = \frac{hc(2\lambda_2 - \lambda_1)}{\lambda_1 \cdot \lambda_2}$ Rezultat final: $L = 3{,}3 \cdot 10^{-19}\, J$
c.	$L = h\nu_0$ Rezultat final: $\nu_0 = 5 \cdot 10^{14}\, Hz$
d.	$\frac{hc}{\lambda_2} = h\nu_0 + Ec_{\max 2}$ $Ec_{\max 2} = h(\frac{c}{\lambda_2} - \nu_0)$ Rezultat final: $Ec_{\max 2} = 6{,}6 \cdot 10^{-19}\, J$