Subiectul D. OPTICĂ

Nr. item	Soluţie/Rezolvare
III.a.	$\frac{hc}{\lambda_1} = L + eU_{s1}$ $\frac{hc}{\lambda_2} = L + eU_{s2}$ $e = \frac{hc\left(\frac{1}{\lambda_1} - \frac{1}{\lambda_2}\right)}{U_{s1} - U_{s2}}$ Rezultat final: $e = 1{,}6 \cdot 10^{-19} C$
b.	$L = \frac{hc}{\lambda_1} - eU_{s1}$ sau $L = \frac{hc}{\lambda_2} - eU_{s2}$ Rezultat final: $L \cong 4{,}9 \cdot 10^{-19} J$
c.	$L = hc / \lambda_0$ Rezultat final: $\lambda_0 = 400nm$
d.	$E_c = eU_{s1}$ $E_c = 9{,}6 \cdot 10^{-19} J$