Subiectul D. OPTICA

Nr. item	Soluţie/Rezolvare
III.a.	$L = h\nu_0$ Rezultat final: $\nu_0 = 4{,}6 \cdot 10^{14}\,Hz$
b.	$E_{C1} = eU_{S1}$ $E_{C2} = eU_{S2}$ $\frac{U_{S1}}{U_{S2}} = \frac{v_1^2}{v_2^2}$ Rezultat final : $\frac{v_1}{v_2} = 2$
c.	$h\nu_1 = L + eU_{S1}$ $\nu_1 = \frac{c}{\lambda_1}$ Rezultat final: $U_{S1} = 1{,}63V$
d.	$U_{S2} = \frac{U_{S1}}{4}$ $\frac{hc}{\lambda_2} = L + eU_{S2}$ Rezultat final : $\lambda_2 \cong 0{,}54\,\mu m$