Subiectul D. OPTICĂ

Nr. item	Soluţie/Rezolvare
III.a.	$h\nu = L + E_c$ $E_c = \frac{m v_e^2}{2}$ $\varepsilon = h\nu$, $\nu = \frac{c}{\lambda}$ Rezultat final: $E_c \approx 3{,}6 \cdot 10^{-19} J$
b.	$L = h \cdot \nu_{min}$ $\nu_{min} \cong 0{,}46 \cdot 10^{15} Hz$
c.	$N \cdot \varepsilon = P \cdot \Delta t$ $\frac{N}{\Delta t} = \frac{P \cdot \lambda}{h \cdot c}$ Rezultat final: $\frac{N}{\Delta t} \approx 15 \cdot 10^{15}$ *electroni* / *s*
d.	grafic corect