Subjectul D. OPTICĂ

Nr. item	Soluție/Rezolvare
III.a.	
	$\varepsilon = h\nu = h\frac{c}{\lambda}$ $\varepsilon = 4.3 \cdot 10^{-19} J$
	$\varepsilon = 4.3 \cdot 10^{-19} J$
b.	
	$L_{extr} = h \frac{c}{\lambda_0}$ $L_{extr} \approx 3.4 \cdot 10^{-19} J$
	$L_{\text{extr}} \approx 3.4 \cdot 10^{-19} J$
C.	
	$\frac{hc}{\lambda} = \frac{hc}{\lambda_0} + E_c$
	$ \frac{hc}{\lambda} = \frac{hc}{\lambda_0} + E_c $ $ E_c = \frac{hc(\lambda_0 - \lambda)}{\lambda_0 \lambda} $
	$E_{c,\text{max}} \approx 0.89 \cdot 10^{-19} J$
d.	
	$eU_s = E_{c,max}$ $U_s \approx 0,56V$
	$U_s \approx 0.56V$