## Subjectul A. MECANICĂ

Nr. item	Soluţie/Rezolvare
II.a.	$G_{2t}-F_f-T=0$ , $N-G_n=0$
	$T - G_1 = 0$
	$G_{2t} = m_2 g \sin \alpha$ , $F_f = \mu m_2 g \cos \alpha$ , $G_1 = m_1 g$
	Rezultat final: $\frac{m_1}{m_2} \cong 0,2$
b.	$G_1 - T = m_1 a$
	$T - G_{2t} - F_f = m_2 a$ , $N - G_n = 0$
	Rezultat final: $a \cong 4,48 \frac{m}{s^2}$
C.	, ,
	$T=m_1(g-a)$
	Rezultat final: $T = 5,52N$
d.	
	$a = \frac{\Delta v}{\Delta t}$
	$v_m = \frac{\Delta x}{\Delta t}$
	$v_m = \frac{0+v}{2}$
	Rezultat final: $\Delta x = 1,5m$