



BAREM Examen de transfer – se ptembrie 2026 – FIZICA-cl.X-a (transfer cl.XI)

SUBIECT I

Item	1	2	3	4
Răspuns corec	a	d	a	c
PUNCTAJ	7p	8p	7p	8p

SUBIECT II

II.a.	$v = \frac{pV}{RT}$ Rezultat final: $v = 0,1 \text{ mol}$	5p 2p
b.	$N = v \cdot N_A$ Rezultat final: $N = 6,02 \cdot 10^{22} \text{ molecule}$	5p 2p
c.	$\rho = \frac{p\mu}{RT}$ Rezultat final: $\rho = \frac{2,8}{3} \cong 0,93 \frac{\text{kg}}{\text{m}^3}$	5p 3p
d.	$\frac{V}{T} = \frac{V_1}{T(1+f)}$ Rezultat final: $V_1 = 4,5 \ell$	5p 3p



SUBIECT III

III.a.	$R_p = \frac{R_1 R_2}{R_1 + R_2} \quad 2p$ $R = R_3 + \frac{R_1 R_2}{R_1 + R_2} \quad 2p$ $E = IR \quad 2p$ Rezultat final: $E = 150 \text{ V}$ $1p$
b.	$U_{MN} = IR_p = I \frac{R_1 R_2}{R_1 + R_2} \quad 5p$ Rezultat final: $U_{MN} = 30 \text{ V}$ $2p$
c.	$P_1 = \frac{U_{MN}^2}{R_1} \quad 5p$ Rezultat final: $P_1 = 45 \text{ W}$ $3p$
d.	$W = I^2 R t \quad 5p$ Rezultat final: $W = 360 \text{ kJ}$ $3p$