

CONCURSUL LERIS

Fizică clasa a VI-a 21 mai 2011

BAREM DE CORECTARE ȘI NOTARE

I.

$$\frac{5}{3}d = v_1 \cdot t_i \dots\dots\dots 1p$$

$$\frac{4}{3}d = v_2 \cdot t_i \dots\dots\dots 1p$$

$$v_1 = 1,25v_2 \dots\dots\dots 2p$$

$$2d = v_1 \cdot \Delta t_1 = v_2 \cdot \Delta t_2 \dots\dots\dots 2p$$

$$\Delta t_2 = \Delta t_1 + \Delta t \dots\dots\dots 1p$$

$$\Delta t_1 = 4,8 \text{ min} ; \Delta t_2 = 6 \text{ min} \dots\dots\dots 1p$$

$$v_1 = 187,5 \frac{km}{h} (52,08 \frac{m}{s}) \quad ; \quad v_2 = 150 \frac{km}{h} (41,66 \frac{m}{s}) \dots\dots\dots 1p$$

Oficiu 1p

II.

$$\Delta l = c \Delta t \dots\dots\dots 1p$$

$$F + G_A = k \cdot \Delta l \dots\dots\dots 3p$$

$$\Delta t = 60^0 C \dots\dots\dots 2p$$

$$F + G_B = k \cdot \Delta l' \dots\dots\dots 2p$$

$$\Delta t' = 80^0 C \dots\dots\dots 1p$$

Oficiu 1p

III.

1. C..... 1,5p

2. B..... 1,5p

3. A..... 1,5p

4. B..... 1,5p

5. D..... 1,5p

6. C..... 1,5p

Oficiu 1p