

NCVVO

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FIZIKA
KLJUČ ZA ODGOVORE

| | | | | |
|------|-------|-------|-------|-------|
| 1. B | 6. C | 11. A | 16. D | 21. B |
| 2. C | 7. D | 12. B | 17. D | 22. A |
| 3. B | 8. C | 13. B | 18. B | 23. A |
| 4. A | 9. A | 14. C | 19. A | 24. A |
| 5. C | 10. B | 15. A | 20. A | 25. C |

Točno riješeni zadaci od 1. do 25. donose po jedan bod.

26.

$$a = \frac{4\pi^2 r}{T^2}$$

1 bod

$$a = 39,5 \frac{\text{m}}{\text{s}^2}$$

1 bod

27.

$$\eta = 1 - \frac{T_2}{T_1}$$

1 bod

$$\eta = 33,3 \%$$

1 bod

28.

$$Z = \sqrt{R^2 + (R_L - R_C)^2}$$

1 bod

$$Z = 50 \Omega$$

1 bod

29.

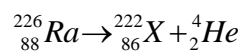
$$x = A \sin \frac{2\pi t}{T}$$

1 bod

$$x = 17,32 \text{ cm}$$

1 bod

30.



1 bod

$$222 - 86 = 136$$

1 bod

31.

$$S_1 \cdot v_1 = S_2 v_2$$

1 bod

$$p_1 + \rho \frac{v_1^2}{2} = p_2 + \rho \frac{v_2^2}{2}$$

1 bod

32. $r_2 = 1,73 \text{ cm}$ 1 bod

$\Delta U = U_2 - U_1$ 1 bod

$U = \frac{3}{2} pV$ 1 bod

$\Delta U = -120 \text{ J}$ 1 bod

33. $C = \frac{\epsilon S}{d}$ 1 bod

$C_1 = C_2$ 1 bod

$\epsilon_r = 2,4$ 1 bod

34. $W_k = mgh$ 1 bod

$W_k = 4500 \text{ J}$ 1 bod

$\eta = \frac{W_k}{W_u}$ 1 bod

$W_u = 6000 \text{ J}$ 1 bod

35. $F_L = F_{cp}$ 1 bod

$F_L = QvB$ 1 bod

$E_k = \frac{mv^2}{2}$ 1 bod

$r = 9,54 \cdot 10^{-3} \text{ m}$ 1 bod

36. $a + b = d$ 1 bod

$m = -\frac{b}{a}$ 1 bod

$\frac{1}{a} + \frac{1}{b} = \frac{1}{f}$ 1 bod

$f = 0,67 \text{ m}$ 1 bod

37. $\frac{m}{M} = \frac{N_0}{N_A}$ 1 bod

$\Delta N = N_0 - N$ 1 bod

$N = N_0 \cdot 2^{\frac{-t}{T}}$ 1 bod

$p = 30,43 \%$ 1 bod