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

26.

$g = G\dfrac{m}{R^2}$ 1 bod

$R = 1{,}7 \cdot 10^6$ m   1 bod

27.

$W = p\Delta V$ 1 bod

$W = -40$ J   1 bod

28.

$F_A = BIl\sin\alpha$ 1 bod

$B = \dfrac{F_A}{Il\sin\alpha} = 0{,}02$ T   1 bod

29.

$L = 10 \log \dfrac{I}{I_0}$ 1 bod

$L = 66$ dB   1 bod

30.

$\Delta N = N_0 \left(1 - 2^{-\frac{t}{T}}\right)$ 1 bod

t= 40,8 min   1 bod

31.

$W = \Delta E_k = \dfrac{mv^2}{2}$ 1 bod

$W = Fs$ 1 bod

$F = 3250$ N   1 bod

32.

$pV = nRT$ 　　　　 1 bod

$N = nN_A$ 　　　　 1 bod

$N = 2{,}7 \cdot 10^{18}$ 　　 1 bod

33.

$\frac{1}{R_p} = \frac{1}{R_1} + \frac{1}{R_2}$ 　　 1 bod

$R_s = R_p + R_3$ 　　 1 bod

$R = 10\ \Omega$ 　　 1 bod

34.

$m_A a = F_N - F_{trA}$ 　 1 bod
$m_B a = m_B g - F_N$ 　 1 bod
$v = at$ 　　　　 1 bod
$v = 1{,}25\ \text{m/s}$ 　 1 bod

35.

$F_e = EQ$ 　　　　 1 bod

$E\,Q = m\,g$ 　　　 1 bod

$E = \frac{U}{d}$ 　　　　 1 bod

$Q = 3 \cdot 10^{-13}\ \text{C}$ 　 1 bod

36.

$a = -A\omega^2 \sin \omega t$ 　 1 bod

$E_{uk} = E_{kin} + E_{pot}$ 　 1 bod
$E_{pot} = \frac{kx^2}{2}$ 　　 1 bod

$E_{kin} = 13{,}5\ \text{J}$ 　 1 bod

37.

$E_f = W_i + E_k$	1 bod
$E_f = hf = \frac{hc}{\lambda}$	1 bod
$\lambda = \frac{h}{p}$	1 bod
$\lambda = 1{,}41 \cdot 10^{-9}$ m	1 bod