

臺北市立中山女子高級中學 112 學年度代理教師甄試 物理科作答卷

(1)	(2)	(3)	(4)
0.14	0.29	2	$y = -\frac{5}{8}x^2$
(5)	(6)	(7)	(8)
14	$4\pi\sqrt{\frac{m}{k}}$	0.2	$\frac{3\omega^2}{4\pi G}$
(9)	(10)	(11)	(12)
(a+b):(a-b)	0.2R	$\frac{24v^2}{25g}$	$\frac{1}{2}n(n+1)MSg$
(13)	(14)	(15)	(16)
16	$0 < m_B < 3m_A$	1.2×10^5	$\frac{3}{4}L$
(17)	(18)	(19)	(20)
26	1.8	$\frac{2}{3}\ell$	$\theta = \tan^{-1}\left(\frac{4\pi^2 r f^2}{g}\right)$
(21)	(22)	(23)	(24)
0	$\frac{hcR(\lambda_0 - \lambda)}{ke\lambda_0\lambda}$	$\frac{\mu_0}{4\pi} \frac{4I}{b \cot^2 \frac{\theta}{2}}$ or $\frac{\mu_0}{4\pi} \frac{4I \sin \frac{\theta}{2} \tan \frac{\theta}{2}}{b}$	$\frac{\sqrt{3}}{2\pi}$
(25)	(26)	(27)	(28)
$\frac{QBd}{2mv}$	wvB	$\frac{B^2 w^2 a}{R}$	$\frac{q\omega}{2\pi}$
(29)	(30)	(31)	(32)
132	15kV/m	$\frac{aV_a + bV_b}{a + b}$	$\frac{kQ}{d^2}$
(33)	(34)	(35)	(36)
向右	甲 < 乙 = 丙	0.72	3
(37)	(38)	(39)	(40)
$\frac{a}{\sqrt{a^2 - b^2}}$	30	$\frac{h^2}{2mL^2}$	甲、乙、丁