

104鳳山高中專任教師甄試物理科答案

$$1. (\sqrt{3} - \sqrt{2}) : (\sqrt{2} - 1) : 1 \quad 2. r \quad 3. 3\sqrt{2} \quad 4. 1 - \left(\frac{nr}{R}\right)^2$$

$$5. \sqrt{\frac{2h}{g}} \left(\frac{1+e}{1-e} \right), h \left(\frac{1+e^2}{1-e^2} \right) \quad 6. \frac{4}{3}v \quad 7. \frac{\rho\pi r^2(v^2 - u^2)d}{2mg} \quad 8. \frac{V}{4}$$

$$9. \pi r^2 \left(h - \frac{ar}{g} \right) \quad 10. 2\mu \quad 11. \frac{2avw^2 B^2}{R} \quad 12. \frac{\sin \theta - \mu \cos \theta}{\sin \theta + \mu \cos \theta} L \quad 13. \frac{Lh}{a\sqrt{2meV}}$$

$$14. 400 \quad 15. \frac{3GMm}{4r} \quad 16. \frac{1}{24} \quad 17. \frac{\sqrt{3} Nhf}{c} \quad 18. 10000$$

$$19. \lambda_b > \lambda_a > \lambda_c \quad 20. \frac{h^2}{8md^2 \sin^2 \theta}$$