請檢視試題卷號碼末三碼與准考證號碼末三碼是否相同

請在指定欄位作答，申論題請依題號順序做答，清楚標示題號

壹、填充題

1	$50\sqrt{3} - 20$	**2**	$\dfrac{3L}{4}$	**3**	$\dfrac{1}{5}mgL$
4	7	**5**	$\dfrac{4\pi m^2 v^2}{q^2 B^2}$	**6**	$\dfrac{T_0}{4\sqrt{2}}\left(1+\dfrac{R}{R_0}\right)^{3/2}$
7	$\dfrac{hc}{e\lambda\lambda_o}(\lambda_o - \lambda)$	**8**	$\dfrac{960}{17}$	**9**	$2\pi\sqrt{\dfrac{L}{2g}}$
10	$\dfrac{1}{2}gt^2 mv$	**11**	150V/m 與 CB 夾 53º	**12**	$\dfrac{16L^3 v B^2}{R}$
13	$\sqrt{\dfrac{2m^2 gL\sin\theta\cos^2\theta}{(M+m)(M+m\sin^2\theta)}}$	**14**	$(4n-2)\times 10^{-6}$	**15**	$7:3$
16	5	**17**	$\dfrac{25}{4\pi}$ cm (or $\dfrac{1}{16\pi}$ m)	**18**	$2\pi\sqrt{\dfrac{a^3}{3Gm}}$