

2019年天津南开区高三一模物理试卷(答案)

一、单项选择题

1. A
2. D
3. D
4. C
5. D

二、不定项选择题

6. ABC
7. AD
8. BD

三、填空实验题

9. $3.6; \frac{15}{4}$
10. (1) AC
(2) 0.36
(3) 0.18
(4) C
11. (1) 11.0
(2) 12; 1
(3) C

四、计算题

12. (1) 0.5m
(2) 2.5m
(3) $Q = 3.5\text{J}$
13. (1) $B = 2\text{T}; d = 0.5\text{m}$
(2) $Q = 0.1088\text{J}$
(3) $q = \frac{\Delta\Phi}{R} = 0.1\text{C}; t_4 = 0.12\text{s}$
14. (1) $v = \sqrt{\frac{2q(\varphi_1 - \varphi_2)}{m}}$
(2) $B = \frac{1}{L} \sqrt{\frac{2m(\varphi_1 - \varphi_2)}{q}}$
(3) $\eta = \frac{\eta - \alpha}{\eta}$