

نام و نام خانوادگی نادیا اسلانی پاسخنامه تشریحی تکلیف شماره ۱۱۰ کلاس هم دفتر B

★ راضیوں ۳، ۴، ۶، ۷ پاسی بیکہ نوٹہ بدہ است

$$t_1 = t_0$$

$$t_f = 91$$

$$t_f = \frac{t_0}{2} + v_d = 41$$

$$t_f = r_d = r_1 \boxed{d = v}$$

$$t_n = y_0 \wedge n = ?$$

$$t_n = t_0 + V(n-1) = P_0 \lambda \quad V(n) = P_0 \lambda - t_0$$

$$V(n+1) = 14 \text{ A}$$

$$\boxed{\sqrt{n-1} = \sqrt{f}} \Rightarrow \boxed{\gamma = \sqrt{f}}$$

$9A4^w = 101$
 $101, 91, 10, 11, 9, \dots, 999V$

$$\left(\frac{99V - 1.01}{V} \right) + 1 = \left(\frac{199}{V} \right) + 1 = 199 + 1 = 199$$

$$w(a_{n+1}) = -s_n + 1$$

$$a_{n+p} = -pn + r$$

$$a_1 + a_{15} = ?$$

$$a_{lv} \xrightarrow{n=10}$$

$$-2x \cdot 10 + f = -2f$$

-۲۰۴۴

$$q_n \xrightarrow{n \rightarrow \infty}$$

$$-yx \wedge z \wedge y = -\wedge$$

$$\Rightarrow \boxed{-100}$$

γ, δ

3

2

2

$$t_{10} - t_{14} = \omega$$

$$\cancel{t_1 + 9d} - \cancel{t_1} - 11d = \omega \quad - 2d = \omega \quad \boxed{d = -\frac{\omega}{2}}$$

$$t_{10} + t_{1v} = 20$$

$$P_{t,1} + P_{o,d} = P_w \Rightarrow P_{t,1} + \left(\frac{10}{100} \times \frac{9}{1} \right) = P_w$$

$$t_{r1} = t_1 + r_{od} = \frac{V_A}{r} + \frac{-\omega_0 \times r}{1 \times t} = \frac{V_A - 100}{\frac{r V_A}{P} = 1 \times \frac{V_A}{P}} \quad r t_1 = \cancel{V_A} + \omega_0$$

✓ ~~$t_1 = \frac{V_A}{\mu}$~~

$$a_1 + a_r + a_p + a_f + a_w = \frac{1}{w} (a_f + a_v + a_n + a_t + a_{10})$$

$$\underline{a_1 + a_r + a_p + a_f + a_w} = \frac{1}{w} \times w d (a_1 + a_r + a_p + a_f + a_w)$$

$$\frac{w}{w} d = 1 \quad d = \frac{w}{w} \quad \frac{a_r}{a_1} = \frac{a_1 \times d}{a_1} = \frac{w}{w} \times \frac{1}{1}$$

1

6

$$t_f = t_1 + 1w \rightarrow 1w = r d$$

$$\boxed{d = 1}$$

$$t_v = t_1 + r d$$

$$\frac{(t_f + k)^r - (t_v + k)^r}{(t_1 + k)^r - (t_w)^r} = \frac{t_f^r + r k t_f^{r-1} + \dots}{t_v^r + r k t_v^{r-1} + \dots}$$

1

7

$$r(1 - \sqrt[n]{w}), \dots, r + \sqrt[n]{w}$$

$$d = \frac{r + \sqrt[n]{w} - r}{1w} = \frac{\sqrt[n]{w}}{1w} = \boxed{\frac{1}{w}} \leftarrow \text{قدرة}$$

2

8

$$(f_n - r) + r = f_n - 1 \rightarrow \text{قوة}$$

$$a_{f_n-1} = a_1 + (f_n - r)d = r r = r + (f_n + r)d$$

$$a_1 = r$$

$$a_{f_n-1} = r r$$

يكون من قوة
جواب اول

$$a_{n+1} = a_1 + n d = r + n d = 11$$

$$n d = 9 \quad d = \frac{9}{n}$$

$$(f_n - r) d = r r \quad d = \frac{r r}{f_n - r}$$

$$\frac{r r}{f_n - r} = \frac{9}{n}$$

$$9(f_n - r) = r r n$$

$$r r n - 11 = r r n$$

$$r r n = 11 \quad \boxed{n = 11}$$

3

9

$$a_n = a + (n-1)d$$

$$a_n + a_{n+r} = [a + (n-1)d] + [a + (n+r)d] = 2a + (2n+r)d$$

$$a_p + a_q = [a + r d] + [a + 11 d] = 2a + 11 d$$

$$2a + (2n+r)d = 2a + 11 d$$

$$(2n+r)d = 11 d \quad 2n+r = 11$$

4

10

$$\frac{n}{r} = 5$$

$$a_n = r a_r$$

$$a + r d = r(a + r d) \Rightarrow a + r d = r a + r^2 d$$

$$r a + r d = r a + r^2 d$$

$$\boxed{d = -d}$$

سوال ۳

$$n=1 \rightarrow a_2 + a_3 + a_4 = 4 \quad \text{نویس}$$

$$n=2 \rightarrow a_3 + a_4 + a_5 = 0 \rightarrow a_5 - a_3 = -4$$

$$a_1 + \varepsilon d - a_1 - \gamma d = -4 \rightarrow \gamma d = -4 \rightarrow d = -\frac{4}{\gamma}$$

$$a_2 + a_3 + a_4 = 4 \rightarrow \gamma a_1 + d + \gamma d + \gamma d = 4 \rightarrow \gamma a_1 = 11 \rightarrow$$

$$a_1 = 4$$

$$a_{11} + a_1 = a_1 + a_1 + \gamma d + \gamma d$$

$$\gamma a_1 + \gamma \gamma d = \gamma(4) + \gamma(-4) = -4$$

سوال ۴

$$a_3 + a_{13} = a_1 + a_1$$

$$\gamma^n - 1 + \gamma^{\gamma n} - \gamma = \gamma(\gamma^{n+1})$$

$$\gamma^n - \gamma = \gamma(\gamma \times \gamma^n) - \gamma^n$$

$$\gamma^n - \gamma \times \gamma^n - \gamma = 0 \rightarrow \gamma^n = \gamma$$

$$t^n - \gamma b - \gamma = 0 \rightarrow t = \gamma \rightarrow \gamma^n = \gamma \rightarrow n = 2$$

$$b = -1 \quad \text{عوض}$$

$$\text{حاصل} \rightarrow \frac{\gamma}{\gamma-1} / \frac{\gamma+1}{\gamma} / \frac{\gamma(\gamma)}{\gamma-\gamma} = \boxed{4}$$

سوال ۵

$$t_q - t_d = (t_q - t_d)(t_q + t_d)$$

$$t_q + t_d = t_v + t_v = \gamma t_v \rightarrow \frac{\gamma t_v (t_q - t_d)}{t_v} = \gamma(t_q - t_d)$$

$$t_q - t_d = t_1 + \gamma d - t_1 - \varepsilon d = \varepsilon d \rightarrow \gamma d$$

$$n=2 \rightarrow t_d = t_1 + \gamma d \rightarrow t_1 + \gamma d = t_1 + \gamma d \rightarrow d = \gamma$$

$$\gamma d = \gamma(\gamma) = \gamma$$

مجموع 4 جمله اول

$$a_1 + a_2 + a_3 + a_4 = 4a_2$$

مجموع 4 جمله آخر

$$a_4 + a_3 + a_2 + a_1 = 4a_2$$

$$3 \times 4a_2 = 4a_1 \rightarrow 3a_2 = a_1 \quad \frac{a_2}{a_1} = \frac{1}{3}$$

$$3(a_1 + 2d) = a_1 + 7d \rightarrow 2a_1 = 4d$$