

بہ خدام خدا

دھرم جمعہ

سارنیا زارع

1910

$\frac{0.1}{V/PN}$

تالیف شماره ۱۲

(الف) $t_n = r_{n+1}^c$

ب) $t_p = 10 \times 10^9 = 10^9$

$$t_n = g, 10, 11^c, 11, \dots \rightarrow t_n = 11^n + 1 \rightarrow t_n = t_1 + (n-1)d \Rightarrow t_n = g + (n-1)f \quad (P)$$

الف) $S_{10} = \frac{10}{2} \left(\frac{1 \times 9}{12} + \frac{(10-1) \times 9}{39} \right) = 11 \times 9 = \underline{99}$ ✓

$$b) \quad P_{x1} = 32 \rightarrow t_{p0} + t_{p1} + t_{p2} = 1t_{p1} + t_{p1} = 2t_{p1} \quad \checkmark$$

~~$$t_{w1} = 9 + \frac{w_0 \times L}{10} = 11.9$$~~

$$t_n = 1 + \sqrt{3}, 2, 3 - \sqrt{3}$$

$$t_{\text{red}} - t_{\text{purple}} = (t_1 + (r_{\text{red}} - 1)d) - (t_1 + (r_{\text{purple}} - 1)d) \rightarrow t_1 + r_{\text{red}}d - t_1 - r_{\text{purple}}d = \underline{r_{\text{red}}d - r_{\text{purple}}d}$$

$$t_2 - t_1 \Rightarrow (1 - \sqrt{3}) - (1 + \sqrt{3}) = -2\sqrt{3}$$

$$L \rightarrow (t_1 + \rho d) - (t_1) = \boxed{\rho d} \star \leftarrow$$

$$a_n = \omega^x, \quad \omega^x \omega^x, \quad \omega^y \quad \rightarrow \quad (\omega^x \omega^x) - \omega^x = \omega^y - (\omega^x \omega^x)$$

$$b_n = x, y, z$$

$$xy = ? \rightarrow |x| = 3$$

$$g = 2x + 1 \leftarrow \frac{d}{dx} =$$

$$\rightarrow b_r - b_1 = b_r - b_r \Rightarrow r - x = g - r \xrightarrow{g = r_{x+1}} r - x = (r_{x+1}) - r \rightarrow r - x = r_{x+1} - r$$

$$y = 2x + 1 \xrightarrow{x=1} 2(1) + 1 = \boxed{3 = y}$$

$$\hookrightarrow \text{rank} = 3 \rightarrow \boxed{\text{rank} = 1}$$

$$a_n = 2x - 1, 2x - 1, 9x$$

$$a_f = ? \rightarrow a_f = -1 + \left(\frac{1}{1}\right) \times 1 = 0 \quad \text{②}$$

$$| \rightarrow 9x - (2x - 1) = (2x - 1) - (2x - 1) \rightarrow 9x - 2x + 1 = 2x - 1 - 2x + 1 \rightarrow 7x = 0 \rightarrow x = 0$$

$$\hookrightarrow a_n = -1, 0, 1, \dots \rightarrow 1-0=1=d$$

$$a_n = \mu, \omega, V, \dots$$

$$b_n = \gamma, \omega, \Lambda, \dots$$

$$\therefore a_{r_0} = r_0 \times r + 1 = \underline{\underline{r+1}}$$

$$\downarrow \quad r_{n+1} = a_n \rightarrow \alpha = r$$

$$L \rightarrow b_n = \psi_n - 1 \rightarrow \alpha = \psi$$

$$b_{P_0} = 13 \times P_0 - 1 = 29 \quad \textcircled{4}$$

مجلات عشرت ۹ تا ۹۶ تا کتابها را میخواندند $9 \times 9 = 81$

... ۴۱, ۳۵, ۲۳, ۱۷, ۱۱, ۵ = جملات مشترک = ۵ = اولین جمله مشترک

$$\Rightarrow \frac{41-5}{9} + 1 = \boxed{V}$$

$$a_1 + a_r + a_w = 11 \rightarrow 3a_r = 11 \rightarrow a_r = V \quad \left. \begin{array}{l} \\ \end{array} \right\} d = 3\omega - V = 11 \quad (V)$$

$$a_1 + a_r + a_w = 10\omega \rightarrow 3a_r = 10\omega \rightarrow a_r = 3\omega \quad \left. \begin{array}{l} \\ \end{array} \right\} a_1 = V - 11 = -11 \quad (D)$$

$$a_r - a_r + a_1 \Rightarrow 3\omega - V + (-11) = \frac{V}{-11} = -\frac{1}{3}$$

$$a_1 + a_r + a_w = 1\omega \rightarrow 3a_r = 1\omega \rightarrow a_r = \omega \Rightarrow a_1 = \omega - d \quad (A)$$

$$a_r + a_w = 2\omega \rightarrow (a_1 + 3d) + (a_1 + 3d) = 2a_1 + 6d = 2\omega$$

$$2(\omega - d) + 6d = 2\omega \rightarrow \omega d = 1\omega \rightarrow d = 3, a = \omega - 3 = 2 \quad (M)$$

$$a_n = 1 + (n-1)3 \rightarrow a_{10} = 1 + (10-1)3 \Rightarrow 27 + 1 = 28$$

$$S_9 = 9S_3 \quad \frac{a_{10}}{a_1} = ? \quad (9)$$

$$\left. \begin{array}{l} S_9 = \frac{9}{2} (2a + 1d) \\ S_3 = \frac{3}{2} (2a + 2d) \end{array} \right\} \frac{9}{2} (2a + 1d) = 9 \times \frac{3}{2} (2a + 2d)$$

$$3(a + \frac{1}{2}d) = 9 \times \frac{3}{2} (a + d) \rightarrow a + \frac{1}{2}d = 3d + \frac{3}{2}d$$

$$d = 2a$$

$$a_{10} = a + 9d \Rightarrow a + 9(2a) = 3 \times 9d = 27$$

$$a_v = a + 9d \Rightarrow a + 9(2a) = 18a$$

$$a_1 = 11, a_v = 3\omega \rightarrow d = \frac{3\omega - 11}{V-1} = \frac{11}{9} = 1 \quad (10)$$

$$a_r = 11 + 3d \Rightarrow 11 + 11 = 22$$

$$d' = \frac{13-11}{k+1} = \frac{-2\omega}{k+1}$$

$$a'_r = 11 + 3d' \Rightarrow 11 + 3\left(\frac{-2\omega}{k+1}\right) \Rightarrow 11 - \frac{6\omega}{k+1} = 23 \rightarrow \frac{6\omega}{k+1} = 1\omega \Rightarrow 1\omega k + 1\omega = 6\omega$$

$$k = 5$$