

فاطمة طهيم النسي

الف

(—)

سوال ۷۲

(الف)

(-)

سوال (۳)

سوال (۴)

$$\Rightarrow xy = |x| = |y|$$

سوال ۵۵)

$$\frac{r_n - f + qn}{r} = r_{n-1} \Rightarrow 1n - f = f_n - f \Rightarrow r_n = r \Rightarrow x = \frac{1}{r}$$

~~$r(\frac{1}{p}) - r$~~ , ~~$r(\frac{1}{p}) - 1$~~ , ~~$q \times \frac{1}{p}$~~ , ... $\Rightarrow r_d = +r$
 $-r$ 0 r
 $+r$ $+r$
 $a_1 = -r$

$$a_n = -1^k + (n-1) \times 1^k = 1^k n - 4$$

$$a_k = 10^k - 9 = \boxed{9}$$

سوال ۶)

$$a_n = 1, \sqrt{2}, \sqrt[3]{3}, \sqrt[4]{4}, \dots \quad a_n = \sqrt[n]{n} \Rightarrow a_{10} = \sqrt[10]{10} = 1.1$$

$$b_n = r, (a), 1, (11), \dots \quad b_n = r_{n-1} \Rightarrow b_{10} = 90 - 1 = 89$$

۱۰
۱۱) کوئٹہ اسٹیشن ۱۱، انتخاب می کیم

$$\sum_{i=1}^n C_i = a + (n-1)d = a + 4n - 4 = 4n - 1$$

$$4n-1 = 1 \Rightarrow 4n = 4 \Rightarrow n = 1$$

این ۲ دنباله تا ۲۰ جمله ی نخست ۲۷ جمله مشترک دارند

$$a_1 + a_r + a_{r+1} = r1 \Rightarrow r a_1 + r d = r1 \Rightarrow a_1 + d = v \quad (v \text{ سوال})$$

$$a_1 + a_f + a_d = 102 \Rightarrow r a_1 + 901 = 102 \Rightarrow a_1 + r d = r a$$

$$\begin{aligned} - a_1 + rd &= rd \\ a_1 + d &= v \end{aligned}$$

$$d = P\lambda \Rightarrow a_1 = -r_1$$

$$\frac{a_r - a_r + a_1}{a_1} = \frac{r_A - r_I}{-r_I} = \frac{r}{-r_I} = \frac{-1}{r}$$

$$\begin{array}{c}
 a_1 + d \quad a_1 + 2d \\
 \uparrow \quad \uparrow \\
 a_1 + a_r + a_r = 12 \Rightarrow 3a_1 + 2d = 12 \quad (\text{سوال 1}) \\
 a_r + a_s = 2d \Rightarrow 2a_1 + 2d = 2d \\
 \downarrow \quad \downarrow \\
 a_1 + 2d \quad a_1 + 2d
 \end{array}$$

$$\begin{array}{l}
 2(3a_1 + 2d = 12) \\
 -2(2a_1 + 2d = 2d) \\
 \hline
 4d - 4d = 6 - 4d \Rightarrow -12d = -42 \Rightarrow d = 3
 \end{array}$$

$$a_{10} = a_1 + 9d = 2 + 9(3) = 29$$

$$4d - 4d = 6 - 4d \Rightarrow -12d = -42 \Rightarrow d = 3$$

$$\begin{array}{c}
 a_1 + d \quad a_1 + 2d \quad a_1 + 3d \quad a_1 + 4d \quad a_1 + 5d \quad a_1 + 6d \quad a_1 + 7d \quad a_1 + 8d \quad a_1 + 9d \\
 \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \\
 a_1 + a_r + a_r + a_r + \dots + a_9 = 9(a_1 + a_r + a_r) \quad (\text{سوال 9})
 \end{array}$$

$$\begin{aligned}
 9a_1 + \frac{3 \times 9}{2} d &= 9(3a_1 + 2d) \Rightarrow 9(a_1 + 2d) = 9 \times 3(a_1 + 2d) \\
 a_1 + 2d &= 3a_1 + 2d \Rightarrow 2a_1 = d
 \end{aligned}$$

$$\frac{a_{10}}{a_1} = \frac{a_1 + 9d}{a_1 + d} = \frac{a_1 + 9(2a_1)}{a_1 + 2a_1} = \frac{19a_1}{3a_1} = \frac{19}{3}$$

$$\begin{aligned}
 a_1 &= 11 \\
 a_1 &= 11 \\
 d &= \frac{3d - 11}{9} = \frac{a_1 - a_1}{9} = 1 \quad (\text{سوال 10})
 \end{aligned}$$

$$\begin{aligned}
 a_n &= 11 + 1(n-1) = n + 10 \\
 a_1 &= 1 \times 1 + 10 = 11
 \end{aligned}$$

$$\begin{aligned}
 b_1 &= 11 \\
 b_1 &= 11 \\
 d &= \frac{b_1 - b_1}{1-1} = \frac{11-11}{0} = \frac{-12}{0} = -12 \\
 b_n &= 11 + (-12)(n-1) = -12n + 23
 \end{aligned}$$

$$-12n + 23 = 11 \Rightarrow -12n = -12 \Rightarrow n = 1$$

$$b_9 = 11 \quad b_1 = 11 \Rightarrow b_2, b_3, b_4, b_5 = \text{واسطی}$$

Sub
واسطی