

سوال ۱)

1. a, c, r, r
 $\rightarrow +e \rightarrow +v \rightarrow 1.$
 $\rightarrow +r \rightarrow +r \rightarrow +r$

Ca. 3

$$a = \frac{r}{r} = 1,0$$

$$\frac{r}{r} n^r + bn + c$$

$$\frac{x}{1} + b = 1$$

$$b = 1 - \frac{1}{1}$$

$$\frac{1}{2} \Delta n^2 - \frac{1}{2} \Delta n = \frac{1}{2} \Delta x 1 \dots - (\frac{1}{2} \Delta x 1) = 1 \text{ eV} \quad b = \frac{1}{5}$$

سو'ل ۲۷

$$1, 2, 3, \dots, n$$

$$\frac{n(n+1)}{2}$$

$$n^2 - \frac{n(n+1)}{2} = 11$$

$$r_n^2 - n(n+1) = 11$$

$$n(n-1) = 11. \quad n = 11$$

سوال ۳

۱۳, ۹, ۵
+۴

$$e_{n+1} = f_{\alpha} \| + 1 = e_{\alpha}$$

$\begin{array}{ccccccc} 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ \hline 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ \hline \end{array}$

$$\Lambda n - \gamma$$

$$1 \times 1 - \mu = 1 \omega$$

$$\Delta \omega + \varepsilon \Delta = 1 \mu.7$$

سوال ۵

بزرگترین $n = 2 \rightarrow \frac{1}{2}$

$\hookrightarrow n=1 \rightarrow -1$

$$\frac{1}{r} - (-1) = \frac{r}{r} = 1, \text{ [OK]}$$

سوال ۱۵

$$-27 - 21 = -48$$

$$-2K + 22 = -48 \rightarrow 2K = 48 + 22$$

$$K = 14$$

سوال ۹

$$t_1 - t_v = 12 \quad t_1 + 9d - t_1 - 4d = 12$$

$$5d = 12 \quad d = 4$$

$$t_4 - t_1 = ? \quad t_1 + 2d - t_1 = 2 \times 4 = 8$$

سوال ۷

$$t_r = 7 \quad t_1 + d = 7$$

$$t_8 = 14 \quad t_1 + 7d = 14$$

$$7d = 14 \quad d = 2 \quad t_1 = 3$$

$$b_n = 11n - 2$$

$$t_r = t_1 + r d \rightarrow 7 + 2 \times 5 = 11 \quad b_n = 11, 22, \dots$$

$$\frac{2}{a}, \frac{9}{b}, \frac{1}{c}, \frac{14}{d}$$

سوال ۸

$$\frac{f_{n-2}}{f_{n+2}} < \frac{r}{r}$$

$$11n - 2 < 4n + 9 \rightarrow$$

$$7n < 11 \quad n < 4, 1 \leq n \leq 4$$

سوال ۱۹

$$9, 9, 9, 9, \dots$$

$$A = -\frac{3}{2}$$

$$A + B = 4$$

$$t_n = 1/2 a n^2 + v a n$$

$$3a(-1, a) + a(7, a) = 33$$

$$-3/2$$

$$3/2$$

katibeghalem



Subject:

Date:

$$-4, -8, \dots \quad \begin{cases} a = -4 \\ a = 1 \end{cases} \quad \text{I. d.b}$$

Diagram showing the sequence: $-4, -8, \dots$ with arrows indicating the common difference $a = -4$ and $a = 1$.

$$1n^2 + bn - 4 \quad 1 + b - 4 = -4$$
$$b = -4 - 1 - 1$$

$$t_n = n^2 - n - 4 \quad b = -1$$

$$t_1 = 1 \quad t_1 + d = 1 \quad t_1 = 1$$

$$t_2 = 4 \quad t_1 + 2d = 4 \quad t_n = (n+1)$$
$$2d = 1 \quad d = 1$$

$$n^2 - n - 4 = (n+1) \rightarrow n^2 - 4n - 5 = 0$$
$$(n-5)(n+1)$$

$$(n+1) = 5 \quad n = 4 \quad n = -1$$