

ROJGAR WITH ANKIT

Number Series

PART-2

(1). 2, 3, 10, 15, ? 26 Ans

$$\begin{array}{cccccc} (1)^2 & (2)^2 & (3)^2 & (4)^2 & (5)^2 \\ +1 & -1 & +1 & -1 & +1 \end{array}$$

(2). 120, 440, 960, 1680, ? 2600 Ans

$$\begin{array}{cccccc} (11)^2 & (21)^2 & (31)^2 & (41)^2 & (51)^2 \\ -1 & -1 & -1 & -1 & -1 \end{array}$$

(3). 0, 6, 20, 42, ? 72 Ans

$$\begin{array}{cccccc} (0)^2 & (2)^2 & (4)^2 & (6)^2 & (8)^2 \\ +0 & +2 & +4 & +6 & +8 \end{array}$$

(4). 1, 2, 10, 37, 101, ? 226 Ans

$$\begin{array}{cccccc} 1 & 8 & 27 & 64 & 125 \end{array}$$

(5). 3, 11, 38, 102, 227, ? 443 Ans

$$\begin{array}{cccccc} 8 & 27 & 64 & 125 & 216 \end{array}$$

(6). 6, 10, 18, 34, ? 66 Ans 130

$$\begin{array}{cccccc} 4 & 8 & 16 & 32 \end{array}$$

(7). 7, 12, 22, 42, 82, ? 162 Ans

$$\begin{array}{cccccc} 5 & 10 & 20 & 40 & 80 \end{array}$$

(8). 2, 11, 47, 128, ? 272 Ans

$$\begin{array}{cccccc} 9 & 36 & 81 & 144 \\ (3)^2 & (6)^2 & (9)^2 & (12)^2 \end{array}$$

(9). 2, 5, 11, 23, 44, ? 77 Ans

$$\begin{array}{cccccc} 3 & 6 & 12 & 21 & 33 \\ 3 & 6 & 9 & 12 \end{array}$$

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(10). 125, 171, 263, ~~404~~, 585, ? 815 Ans

$$\begin{array}{ccccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & & & & \\ & 46 & 92 & 138 & 184 & 230 & & & \\ & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & & & \\ & 46 & 46 & 46 & 46 & 46 & & & \end{array}$$

(11). 3, 6, 11, 18, 27, 38, 51, 66, 83, ? 102 Ans

$$\begin{array}{ccccccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 3 & 5 & 7 & 9 & 11 & 13 & 15 & 17 & 19 & \end{array}$$

(12). 116, 128, 146, 170, 200, ? 236 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 12 & 18 & 24 & 30 & 36 & \end{array}$$

(13). 5, 13, 29, 61, 125, ? 253 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 8 & 16 & 32 & 64 & 128 & \end{array}$$

(14). 5, 17, 37, 65, ? 101 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 12 & 20 & 28 & 36 & 44 & \end{array}$$

(15). 0, 1, 4, 15, ? 64 Ans

$$\begin{array}{cccc} \bullet & \underbrace{} & \underbrace{} & \underbrace{} \\ \times 1+1 & \times 2 & \times 3 & \times 4 \\ +2 & +3 & +4 & \end{array}$$

(16). 5, 16, 51, 158, ? 481 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & & \\ & \times 3+1 & \times 3+3 & \times 3+5 & \times 3+7 & & \end{array}$$

(17). 3, 7, 16, 35, ? 74 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & & \\ & \times 2+1 & \times 2+2 & \times 2+3 & \times 2+4 & & \end{array}$$

(18). 1, 2, 6, 21, ? 88 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & & \\ \times 1+1 & \times 2+2 & \times 3+3 & \times 4+4 & & & \end{array}$$

(19). 0, 4, 18, 48, ? 100 Ans

$$\begin{array}{ccccccc} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 4 & 14 & 30 & 52 & 80 & \\ & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \underbrace{} & \\ & 10 & 16 & 22 & 28 & & \end{array}$$

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(20).
$$\begin{array}{c|c|c|c} 538, & 725, & 813, & ? \\ \hline 5+3+8 & 7+2+5 & 8+1+3 & 7+1+2 \\ \hline 16 & 14 & 12 & 10 \end{array} \quad \begin{array}{c} 712 \text{ ans} \\ 7+1+2 \\ 10 \end{array}$$

(21). $3, 5, 12, 38, 154, ?$

(a) 672

(b) 72

(c) 772

(d) 572

Homework