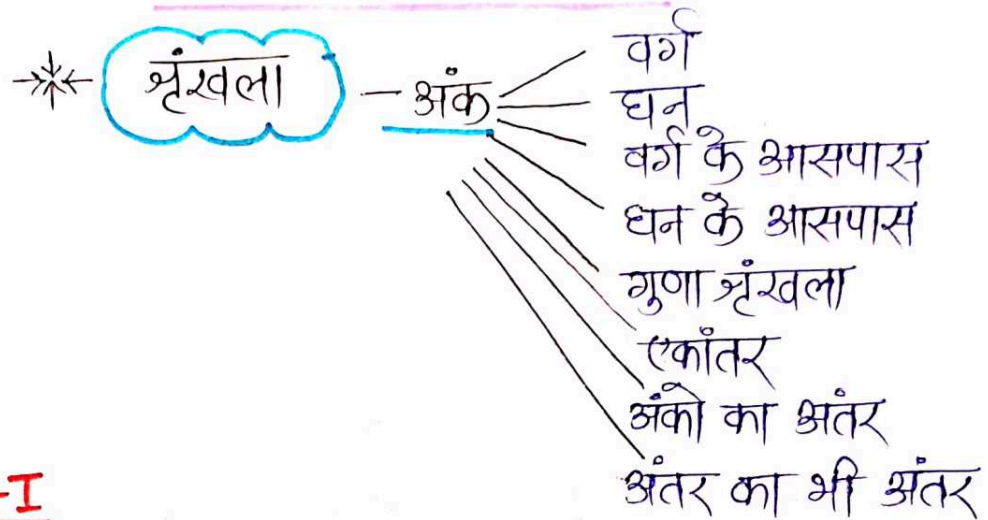


# ROJGAR WITH ANKIT

## संख्या श्रृंखला (Number Series)



### Type-I

#### (A) वर्ग श्रृंखला (Square Series)

(1). 4, 16, 36, 64, ? 100 Ans  
 $(2)^2$   $(4)^2$   $(6)^2$   $(8)^2$   $(10)^2$

(2). 51, 66, 83, 102, 123, 146, ? 171 Ans  
 $(7)^2$   $(8)^2$   $(9)^2$   $(10)^2$   $(11)^2$   $(12)^2$   $(13)^2$   
 $+$   $+$   $+$   $+$   $+$   $+$   $+$   
 2 2 2 2 2 2 2

(3). 170, 198, 228, 260, 294, ? 330 Ans  
 $(13)^2$   $(14)^2$   $(15)^2$   $(16)^2$   $(17)^2$   $(18)^2$   
 $+$   $+$   $+$   $+$   $+$   $+$   
 1 2 3 4 5 6

(4). 78, 97, 118, 141, 166, ? 193 Ans  
 $(9)^2$   $(10)^2$   $(11)^2$   $(12)^2$   $(13)^2$   $(14)^2$   
 $-$   $-$   $-$   $-$   $-$   $-$   
 3 3 3 3 3 3

(5). 120, 142, 166, 192, 220, ? 250 Ans  
 $(11)^2$   $(12)^2$   $(13)^2$   $(14)^2$   $(15)^2$   $(16)^2$   
 $-$   $-$   $-$   $-$   $-$   $-$   
 1 2 3 4 5 6

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(6).  $30, 42, 56, 72, 90, ?$  110 Ans  
 $\underbrace{30 \quad 42}_{12} \quad \underbrace{42 \quad 56}_{14} \quad \underbrace{56 \quad 72}_{16} \quad \underbrace{72 \quad 90}_{18} \quad \underbrace{90 \quad ?}_{20}$

(7).  $110, 132, 156, 182, 210, ?$  240 Ans  
 $\underbrace{110 \quad 132}_{22} \quad \underbrace{132 \quad 156}_{24} \quad \underbrace{156 \quad 182}_{26} \quad \underbrace{182 \quad 210}_{28} \quad \underbrace{210 \quad ?}_{30}$

## (B) घन श्रृंखला (Cube Series)

(1).  $8, 27, 64, 125, ?$  216 Ans  
 $(2)^3 \quad (3)^3 \quad (4)^3 \quad (5)^3 \quad (6)^3$

(2).  $10, 29, 66, 127, 218, ?$  345 Ans  
 $(2)^3 \quad (3)^3 \quad (4)^3 \quad (5)^3 \quad (6)^3 \quad (7)^3$   
 $+2 \quad +2 \quad +2 \quad +2 \quad +2 \quad +2$

(OR)

$10, 29, 66, 127, 218, ?$  345 Ans  
 $\underbrace{10 \quad 29}_{19} \quad \underbrace{29 \quad 66}_{37} \quad \underbrace{66 \quad 127}_{61} \quad \underbrace{127 \quad 218}_{91} \quad \underbrace{218 \quad ?}_{127}$   
 $\underbrace{19}_{18} \quad \underbrace{37}_{24} \quad \underbrace{61}_{30} \quad \underbrace{91}_{36}$

(3).  $126, 218, 346, 516, 734, ?$  1006  
 $(5)^3 \quad (6)^3 \quad (7)^3 \quad (8)^3 \quad (9)^3 \quad (10)^3$   
 $+1 \quad +2 \quad +3 \quad +4 \quad +5 \quad +6$

(4).  $25, 62, 123, 214, 341, ?$  510  
 $(3)^3 \quad (4)^3 \quad (5)^3 \quad (6)^3 \quad (7)^3 \quad (8)^3$   
 $-2 \quad -2 \quad -2 \quad -2 \quad -2 \quad -2$

(5).  $342, 510, 726, 996, 1326, ?$  1722 Ans  
 $\underbrace{342 \quad 510}_{168} \quad \underbrace{510 \quad 726}_{216} \quad \underbrace{726 \quad 996}_{270} \quad \underbrace{996 \quad 1326}_{330} \quad \underbrace{1326 \quad ?}_{396}$   
 $\underbrace{168}_{48} \quad \underbrace{216}_{54} \quad \underbrace{270}_{60} \quad \underbrace{330}_{66}$

(6).  $2, 10, 30, 68, 130, ?$  222 Ans  
 $\underbrace{2 \quad 10}_{8} \quad \underbrace{10 \quad 30}_{20} \quad \underbrace{30 \quad 68}_{38} \quad \underbrace{68 \quad 130}_{62} \quad \underbrace{130 \quad ?}_{92}$   
 $\underbrace{8}_{12} \quad \underbrace{20}_{18} \quad \underbrace{38}_{24} \quad \underbrace{62}_{30}$

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(7). 5, 6, 10, 19, 35, ? 60 Ans

1 4 9 16 25

(8). 147, 153, 159, 165, ? 171 Ans

6 6 6 6

(9). 7, 10, 15, 22, 31, 42, ? 55 Ans

3 5 7 9 11 13

(10). 119, 114, 109, 104, 99, ? 94 Ans

-5 -5 -5 -5

(11). 15, 14, 12, 9, 5, 0, ? -6 Ans

-1 -2 -3 -4 -5 -6

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## 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

$$\begin{array}{cccccc} & 6 & 14 & 22 & 30 \\ (0)^2 & (2)^2 & (4)^2 & (6)^2 & (8)^2 \\ +0 & +2 & +4 & +6 & +8 \end{array}$$

(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

$$\begin{array}{ccccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & & & & \\ & 46 & 92 & 138 & 184 & 230 & & & \\ & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & & & \\ & 46 & 46 & 46 & 46 & 46 & & & \end{array}$$

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

$$\begin{array}{ccccccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 3 & 5 & 7 & 9 & 11 & 13 & 15 & 17 & 19 & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 12 & 18 & 24 & 30 & 36 & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 8 & 16 & 32 & 64 & 128 & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 12 & 20 & 28 & 36 & 44 & \end{array}$$

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

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

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & & \\ & \times 3+1 & \times 3+3 & \times 3+5 & \times 3+7 & & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & & \\ & \times 2+1 & \times 2+2 & \times 2+3 & \times 2+4 & & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & & \\ & \times 1+1 & \times 2+2 & \times 3+3 & \times 4+4 & & \end{array}$$

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

$$\begin{array}{ccccccc} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 4 & 14 & 30 & 52 & 80 & \\ & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \underbrace{\phantom{00}} & \\ & 10 & 16 & 22 & 28 & & \end{array}$$

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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

# ROJGAR WITH ANKIT

## Number Series

### PART → 3

(1).  $6, 11, 21, 36, 56, ?$  81 Ans  
 $\underbrace{\quad}_5 \quad \underbrace{\quad}_{10} \quad \underbrace{\quad}_{15} \quad \underbrace{\quad}_{20} \quad \underbrace{\quad}_{25}$

(2).  $9, 17, 33, 65, ?$  129 Ans  
 $\underbrace{\quad}_8 \quad \underbrace{\quad}_{16} \quad \underbrace{\quad}_{32} \quad \underbrace{\quad}_{64}$

(3).  $6, 17, 39, 72, ?$  116 Ans  
 $\underbrace{\quad}_{11} \quad \underbrace{\quad}_{22} \quad \underbrace{\quad}_{33} \quad \underbrace{\quad}_{44}$

(4).  $4, 10, 22, 46, ?$  94 Ans 190  
 $\underbrace{\quad}_6 \quad \underbrace{\quad}_{12} \quad \underbrace{\quad}_{24} \quad \underbrace{\quad}_{48} \quad \underbrace{\quad}_{96}$

(5).  $4, 10, 28, 82, ?$  244 Ans  
 $\underbrace{\quad}_6 \quad \underbrace{\quad}_{18} \quad \underbrace{\quad}_{54} \quad \underbrace{\quad}_{162}$

(6).  $2, 5, 9, 19, 37, ?$  75 Ans  
 $\underbrace{\quad}_{\times 2 + 1} \quad \underbrace{\quad}_{\times 2 - 1} \quad \underbrace{\quad}_{\times 2 + 1} \quad \underbrace{\quad}_{\times 2 - 1} \quad \underbrace{\quad}_{\times 2 + 1}$

(7).  $9, 10, 14, 23, 39, ?$  64 Ans  
 $\underbrace{\quad}_1 \quad \underbrace{\quad}_4 \quad \underbrace{\quad}_9 \quad \underbrace{\quad}_{16} \quad \underbrace{\quad}_{25}$   
 $(1)^2 \quad (2)^2 \quad (3)^2 \quad (4)^2 \quad (5)^2$

(8).  $5, 86, 135, 160, ?$  169 Ans  
 $\underbrace{\quad}_{81} \quad \underbrace{\quad}_{49} \quad \underbrace{\quad}_{25} \quad \underbrace{\quad}_9$

(9).  $7, 176, 297, 378, ?$  427 Ans  
 $\underbrace{\quad}_{169} \quad \underbrace{\quad}_{121} \quad \underbrace{\quad}_{81} \quad \underbrace{\quad}_{49}$

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(10). 35, 40, 51, 68, 91, 120, ? 155 Ans

$\underbrace{35 \rightarrow 40}_{+5}$ 
 $\underbrace{40 \rightarrow 51}_{+11}$ 
 $\underbrace{51 \rightarrow 68}_{+17}$ 
 $\underbrace{68 \rightarrow 91}_{+23}$ 
 $\underbrace{91 \rightarrow 120}_{+29}$ 
 $\underbrace{120 \rightarrow ?}_{+35}$

(11). 8, 11, 15, 22, 33, 51, 80, 127, ? 203 Ans

$\underbrace{8 \rightarrow 11}_{+3}$ 
 $\underbrace{11 \rightarrow 15}_{+4}$ 
 $\underbrace{15 \rightarrow 22}_{+7}$ 
 $\underbrace{22 \rightarrow 33}_{+11}$ 
 $\underbrace{33 \rightarrow 51}_{+18}$ 
 $\underbrace{51 \rightarrow 80}_{+29}$ 
 $\underbrace{80 \rightarrow 127}_{+47}$ 
 $\underbrace{127 \rightarrow ?}_{+76}$

$29 + 47 = 76$

(12). 8, 8, 32, 288, 4608, ? 115200 Ans

$\underbrace{8 \rightarrow 8}_{\times 1}$ 
 $\underbrace{8 \rightarrow 32}_{\times 4}$ 
 $\underbrace{32 \rightarrow 288}_{\times 9}$ 
 $\underbrace{288 \rightarrow 4608}_{\times 16}$ 
 $\underbrace{4608 \rightarrow ?}_{\times 25}$

(13). 240, 240, 120, 40, 10, ? 2 Ans

$\underbrace{240 \rightarrow 240}_{\div 1}$ 
 $\underbrace{240 \rightarrow 120}_{\div 2}$ 
 $\underbrace{120 \rightarrow 40}_{\div 3}$ 
 $\underbrace{40 \rightarrow 10}_{\div 4}$ 
 $\underbrace{10 \rightarrow ?}_{\div 5}$

(14). 1440, 1440, 720, 240, 60, ? 12 Ans

$\underbrace{1440 \rightarrow 1440}_{\div 1}$ 
 $\underbrace{1440 \rightarrow 720}_{\div 2}$ 
 $\underbrace{720 \rightarrow 240}_{\div 3}$ 
 $\underbrace{240 \rightarrow 60}_{\div 4}$ 
 $\underbrace{60 \rightarrow ?}_{\div 5}$

(15). 9, 35, 91, 189, 341, ? 559 Ans

$\underbrace{9 \rightarrow 35}_{+26}$ 
 $\underbrace{35 \rightarrow 91}_{+56}$ 
 $\underbrace{91 \rightarrow 189}_{+98}$ 
 $\underbrace{189 \rightarrow 341}_{+152}$ 
 $\underbrace{341 \rightarrow ?}_{+218}$

$\underbrace{26 \rightarrow 56}_{+30}$ 
 $\underbrace{56 \rightarrow 98}_{+42}$ 
 $\underbrace{98 \rightarrow 152}_{+54}$ 
 $\underbrace{152 \rightarrow 218}_{+66}$

(16). 32, 34, ?, 212, 850, 4252 Ans

$\underbrace{32 \rightarrow 34}_{\times 1 + 2}$ 
 $\underbrace{34 \rightarrow ?}_{\times 2 + 2}$ 
 $\underbrace{? \rightarrow 212}_{\times 3 + 2}$ 
 $\underbrace{212 \rightarrow 850}_{\times 4 + 2}$ 
 $\underbrace{850 \rightarrow 4252}_{\times 5 + 2}$

## Homework

(17). 11, 14, 26, 53, 101, ?

(18). 13, 29, 62, 129, 264, ?

(19). 23, 28, 38, 55, 81, ?



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## Number Series

### PART → 4

- (1).  $66, 56, 48, \overset{42}{?}, 38, 36$   
 $\underbrace{66, 56}_{10} \quad \underbrace{56, 48}_{8} \quad \underbrace{48, ?}_{6} \quad \underbrace{?, 38}_{4} \quad \underbrace{38, 36}_{2}$
- (2).  $1438, 1429, 1417, 1402, ? 1384$   
 $\underbrace{1438, 1429}_{9} \quad \underbrace{1429, 1417}_{12} \quad \underbrace{1417, 1402}_{15} \quad \underbrace{?, 1384}_{18}$
- (3).  $416, 412, \overset{404}{-}, 392, 376, 356.$   
 $\underbrace{416, 412}_{4} \quad \underbrace{412, 404}_{8} \quad \underbrace{404, 392}_{12} \quad \underbrace{392, 376}_{16} \quad \underbrace{376, 356}_{20}$
- (4).  $89, 88, 84, \overset{75}{-}, 59, 34$   
 $\underbrace{89, 88}_{1} \quad \underbrace{88, 84}_{4} \quad \underbrace{84, 75}_{9} \quad \underbrace{75, 59}_{16} \quad \underbrace{59, 34}_{25}$
- (5).  $3, 15, 60, \overset{180}{-}, 360, 360.$   
 $\underbrace{3, 15}_{\times 5} \quad \underbrace{15, 60}_{\times 4} \quad \underbrace{60, 180}_{\times 3} \quad \underbrace{180, 360}_{\times 2} \quad \underbrace{360, 360}_{\times 1}$
- (6).  $1, 1, 2, 6, 24, \overset{120}{?}, 720$   
 $\underbrace{1, 1}_{\times 1} \quad \underbrace{1, 2}_{\times 2} \quad \underbrace{2, 6}_{\times 3} \quad \underbrace{6, 24}_{\times 4} \quad \underbrace{24, ?}_{\times 5} \quad \underbrace{?, 720}_{\times 6}$
- (7).  $3, 6, 18, 72, 360, \overset{2160}{-}$   
 $\underbrace{3, 6}_{\times 2} \quad \underbrace{6, 18}_{\times 3} \quad \underbrace{18, 72}_{\times 4} \quad \underbrace{72, 360}_{\times 5} \quad \underbrace{360, 2160}_{\times 6}$
- (8).  $5760, 960, \overset{192}{?}, 48, 16, 8$   
 $\underbrace{5760, 960}_{\times 6} \quad \underbrace{960, ?}_{\times 5} \quad \underbrace{?, 48}_{\times 4} \quad \underbrace{48, 16}_{\times 3} \quad \underbrace{16, 8}_{\times 2}$
- (9).  $128, 64, 32, 16, \overset{8}{-}$
- (10).  $9, 27, 31, 155, 161, 1127, ? 1135$   
 $\underbrace{9, 27}_{\times 3} \quad \underbrace{27, 31}_{+4} \quad \underbrace{31, 155}_{\times 5} \quad \underbrace{155, 161}_{+6} \quad \underbrace{161, 1127}_{\times 7} \quad \underbrace{1127, ?}_{+8}$
- (11).  $42, 45, 15, 18, 6, 9, 3, \overset{6}{-}$   
 $\underbrace{42, 45}_{+3} \quad \underbrace{45, 15}_{\div 3} \quad \underbrace{15, 18}_{+3} \quad \underbrace{18, 6}_{\div 3} \quad \underbrace{6, 9}_{+3} \quad \underbrace{9, 3}_{\div 3} \quad \underbrace{3, 6}_{+3}$
- (12).  $3, 28, 4, 65, 5, 126, 6, ? 217$   
 $\underbrace{3, 28}_{(3)^3+1} \quad \underbrace{28, 4}_{(4)^3+1} \quad \underbrace{4, 65}_{(5)^3+1} \quad \underbrace{65, 5}_{(6)^3+1} \quad \underbrace{5, 126}_{(7)^3+1} \quad \underbrace{126, 6}_{(8)^3+1} \quad \underbrace{6, ?}_{(9)^3+1}$

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(13). 0, 6, 24, 60, 120, ? 210

$(1)^3 - 1$

$(2)^3 - 2$

$(3)^3 - 3$

$(4)^3 - 4$

$(5)^3 - 5$

$(6)^3 - 6 = 216 - 6 = 210$

(14). 8, 10, 101, ? 10202

$(8)^2 + 1$   $(10)^2 + 1$   $(101)^2 + 1$

(15). 0, 7, 26, 63, 124, 215

$(1)^3 - 1$

$(2)^3 - 1$

$(3)^3 - 1$

$(4)^3 - 1$

(16). 3, 10, 31, 80, 171, ? 318

7 21 49 91 147  
14 28 42 56

(17). 13, 16, 25, 40, ? 61, 88  
3 9 15 21 27

(18). 10, 18, 51, 200, ? 995  
 $\times 2 - 2$   $\times 3 - 3$   $\times 4 - 4$   $\times 5 - 5$

(19). 2, 2.4, 3.3, 4.9, 7.4, ? 11  
0.4 0.9 1.6 2.5 3.6

(20). 58, 61, 54, 67, 46, ? 77  
3 7 13 21 31  
4 6 8 10

(21). 130, 115, 135, 110, ? 140  
-15 +20 -25 +30

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## Number Series

### PART → 5#

अस विकल्प का चयन करें, जो निम्नलिखित श्रेणी में प्रश्न चिह्न (?) के स्थान पर आ सकता है—

(1) 7, 17, 41, 85, <sup>155</sup>?, 257

$$\begin{array}{ccccccc} & & & & 155 & & \\ & & & & ? & & \\ \underbrace{7} & \underbrace{17} & \underbrace{41} & \underbrace{85} & \underbrace{?} & \underbrace{257} & \\ & 10 & & 24 & & 44 & & 70 \\ & & 14 & & 20 & & 26 \end{array}$$

(2) 3, 12, 36, 80, <sup>149</sup>?, 248

$$\begin{array}{ccccccc} & & & & 149 & & \\ & & & & ? & & \\ \underbrace{3} & \underbrace{12} & \underbrace{36} & \underbrace{80} & \underbrace{?} & \underbrace{248} & \\ & 9 & & 24 & & 44 & & 69 & & 99 \\ & & 15 & & 20 & & 25 & & 30 \end{array}$$

(3) 4, 6, 9, 14, 23, 40, ? 73

$$\begin{array}{ccccccc} & & & & & & \\ & & & & & & \\ \underbrace{4} & \underbrace{6} & \underbrace{9} & \underbrace{14} & \underbrace{23} & \underbrace{40} & \underbrace{?} & \underbrace{73} \\ & 2 & & 3 & & 5 & & 9 & & 17 & & 33 \\ & & 1 & & 2 & & 4 & & 8 & & 16 \end{array}$$

(4) 61, 73, 99, 141, 201, ? 281

$$\begin{array}{ccccccc} & & & & & & \\ & & & & & & \\ \underbrace{61} & \underbrace{73} & \underbrace{99} & \underbrace{141} & \underbrace{201} & \underbrace{?} & \underbrace{281} \\ & 12 & & 26 & & 42 & & 60 & & 80 \\ & & 14 & & 16 & & 18 & & 20 \end{array}$$

(5) 1, 8, 16, 27, 43, 66, 98, ? 141

$$\begin{array}{ccccccc} & & & & & & \\ & & & & & & \\ \underbrace{1} & \underbrace{8} & \underbrace{16} & \underbrace{27} & \underbrace{43} & \underbrace{66} & \underbrace{98} & \underbrace{?} & \underbrace{141} \\ & 7 & & 8 & & 11 & & 16 & & 23 & & 32 & & 43 \\ & & 1 & & 3 & & 5 & & 7 & & 9 & & 11 \end{array}$$

(6) 3, 5, 8, 11, <sup>16</sup>?, 19, 24

|        |  |         |
|--------|--|---------|
| 2+1=3  |  | 11+5=16 |
| 3+2=5  |  | 13+6=19 |
| 5+3=8  |  | 17+7=24 |
| 7+4=11 |  |         |



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(7).  $2, 3, 10, 39, 172, ?, 5346$   
 $\times 1 \quad \times 2 \quad \times 3 \quad \times 4 \quad \times 5 \quad \times 6$   
 $+(1)^2 \quad +(2)^2 \quad +(3)^2 \quad +(4)^2 \quad +(5)^2 \quad +(6)^2$

(8).  $14, 15, 24, 49, 98, 179, ? 300$   
 $1 \quad 9 \quad 25 \quad 49 \quad 81 \quad 121$   
 $(1)^3+1 \quad (2)^3+2 \quad (3)^3+3 \quad (4)^3+4 \quad (5)^3+5$

(9).  $1, 1, 2, 2, 6, 10, 42, ?, 1806$   
 $(1)^2+1 \quad (2)^2+2 \quad (6)^2+6 \quad ? \quad (42)^2+42$

(10).  $7, 16, 41, 94, 251, ? 568$   
 $9 \quad 25 \quad 53 \quad 157 \quad 317$   
 $\times 3 \quad \times 2 \quad \times 3 \quad \times 2$   
 $-2 \quad +3 \quad -2 \quad +3$

(11).  $32, 34, 43, 71, 136, ? 262$   
 $2 \quad 9 \quad 28 \quad 65 \quad 126$   
 $(1)^3 \quad (2)^3 \quad (3)^3 \quad (4)^3 \quad (5)^3$   
 $+1 \quad +1 \quad +1 \quad +1 \quad +1$

(12).  $2, 31, 4, 37, 10, 41, 28, 43, 82, 47, ?$   
 $2 \quad 6 \quad 18 \quad 54 \quad 162$   
 $127$

(13).  $55, 63, ?, 343, 855, 1855$   
 $8 \quad 64 \quad 216 \quad 512 \quad 1000$   
 $(2)^3 \quad (4)^3 \quad (6)^3 \quad (8)^3 \quad (10)^3$

(14).  $9, 35, 91, 189, 341, ? 559$   
 $(1)^3 \quad (2)^3 \quad (3)^3 \quad (4)^3 \quad (5)^3 \quad (6)^3$   
 $+(2)^3 \quad +(3)^3 \quad +(4)^3 \quad +(5)^3 \quad +(6)^3 \quad +(7)^3$

HW  
 (15).  $16, 81, 76, ? 616, 1831, 5476$



# ROJGAR WITH ANKIT

## Number Series

PART → 6

निम्न प्रश्न में दिए गए विकल्पों में से  
लुप्त अंकों की श्रृंखला ज्ञात कीजिए-

(1). 4, 6, 10, 18, 34, 66, ? 130

$\begin{array}{ccccccc} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ & 2 & 4 & 8 & 16 & 32 & 64 \end{array}$

(2). 211, 215, 231, 267, ? 331

$\begin{array}{ccccccc} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & & \\ & 4 & 16 & 36 & 64 & & \\ & (2)^2 & (4)^2 & (6)^2 & (8)^2 & & \end{array}$

(3). 30, 130, 350, ? 738

$\begin{array}{ccccccc} (3)^3 & (5)^3 & (7)^3 & (9)^3 & & & \\ +3 & +5 & +7 & +9 & & & \end{array}$

(4). 99, 82, 63, 50, 35, ? 26

$\begin{array}{ccccccc} (10)^2 & (9)^2 & (8)^2 & (7)^2 & (6)^2 & (5)^2 & \\ -1 & +1 & -1 & +1 & -1 & +1 & \end{array}$

(5). 16, 17, 23, 18, 19, 26, 20, 21, 29, 22, ? , ?

$\begin{array}{ccccccc} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ & +2 & +2 & +2 & +2 & +2 & \end{array}$

23, 32

(6). 13, 22, 33, 48, 69, ? 98

$\begin{array}{ccccccc} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ & 9 & 11 & 15 & 21 & 29 & \\ & 2 & 4 & 6 & 8 & & \end{array}$

(7). 5, 9, 10, 28, 17, 65, ? 26

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

(8). 25, 5, 49, 10, 81, 20, 121, ? 40

$\begin{array}{ccccccc} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & \\ & \times 2 & \times 2 & \times 2 & \times 2 & \times 2 & \end{array}$

# ROJGAR WITH ANKIT

(g). 81, 54, 36, 27, 22

उपर्युक्त संस्थाओं को पट्टचानों जो निम्न लिखित श्रेणियों से सम्बंधित नहीं हैं—

$$\Rightarrow 22(\checkmark)$$

81, 54, 36, 27, ~~22~~  
 $8+1$     $5+4$     $3+6$     $2+7$     ~~$2+2$~~   
 $=9$     $=9$     $=9$     $=9$     $=4$

(10).  
  
 0, 2, 10, 30, ?, 130, 222  
 2    8    20    38    62    92  
 6    12    18    24    30

(11).  $3, 219, 344, 408, ?, 443, 444$

(12).  $650, 601, 565, 540, 524, ? 515$

$\underbrace{\quad}_{49} \quad \underbrace{\quad}_{36} \quad \underbrace{\quad}_{25} \quad \underbrace{\quad}_{16} \quad \underbrace{\quad}_{9}$

(13), 705, 728, 774, 843, 935, 1050, ? 1188

23 46 69 92 115 138

(14). 18, 20, 29, 78, 145, ? 248

7 19 39 67 103

12 20 28 36

(15). 10, 18, 63, 253, 1137, 5901, ?

HW

# ROJGAR WITH ANKIT

## Number Series

### PART → 7

(1). 160, 183, 213, 252, 302, <sup>365</sup>?, 443

23 30 39 50 63

7 9 11 13

(2). 20, 20, 24, 42, 90, (?) 190

0 4 18 48 100

4 14 30 52

10 16 22

(3). 8, 17, <sup>53</sup>?, 197, 773, 3077

9 36 144 576 2304

$(3)^2$   $(6)^2$   $(12)^2$   $(24)^2$   $(48)^2$

(4). 57, 69, 88, 112, 150, 186, 243, ? 291

12 19 24 38 36 57 48

(5). 11, 14, 26, 53, 101, ? 176

3 12 27 48 75

9 15 21 27

(6). 2, 12, 30, <sup>56</sup>?, 90, 132

10 18 26 34 42

8 8 8 8

# ROJGAR WITH ANKIT

(7).  $3, 20, 63, 144, 275, ? 468$

$\underbrace{3}_{17}, \underbrace{20}_{43}, \underbrace{63}_{81}, \underbrace{144}_{131}, \underbrace{275}_{193}$

$\underbrace{17}_{26}, \underbrace{43}_{38}, \underbrace{81}_{50}, \underbrace{131}_{62}, \underbrace{193}_{?}$

(8).  $2, 3, 2, 15, ? 245$

$\underbrace{2}_{\times 1}, \underbrace{3}_{\times 2}, \underbrace{2}_{\times 3}, \underbrace{15}_{\times 4 - (4)^2}, \underbrace{?}_{\times 5 + (5)^2}, \underbrace{245}_{\times 6 + (6)^2}$

$\Rightarrow 44$

(9).  $0, 2, 8, 14, 24, 34, 48, 62$

$\begin{array}{l} (1)^2 - 1 \\ (2)^2 - 2 \\ (3)^2 - 1 \\ (4)^2 - 2 \end{array} \quad \begin{array}{l} (5)^2 - 1 \\ (6)^2 - 2 \\ (7)^2 - 1 \\ (8)^2 - 2 \end{array}$

(10).  $6, 20, 36, 48, 50, 36, 0$

$\begin{array}{l} (1)^2 \times 6 \\ (2)^2 \times 5 \\ (3)^2 \times 4 \\ (4)^2 \times 3 \\ (5)^2 \times 2 \\ (6)^2 \times 1 \\ (7)^2 \times 0 \end{array}$

(11).  $1, 16, 81, 256, 625, ? 1296$

$\begin{array}{l} (1)^2 \\ (4)^2 \\ (9)^2 \\ (16)^2 \\ (25)^2 \\ (36)^2 \end{array}$

(12).  $1, 1, 5, 21, 57, 121, ? 221$

$\underbrace{1}_0, \underbrace{1}_4, \underbrace{5}_{16}, \underbrace{21}_{36}, \underbrace{57}_{64}, \underbrace{121}_{100}, \underbrace{?}_{144}$

(13).  $3, 12, 27, 48, 75, 108, ? 147$

$\underbrace{3}_9, \underbrace{12}_{15}, \underbrace{27}_{21}, \underbrace{48}_{27}, \underbrace{75}_{33}, \underbrace{108}_{39}, \underbrace{?}_{45}$

(14).  $0, 0, 3, 7, 8, 26, 15, ? 63$

$\begin{array}{l} (1)^2 - 1 \\ (1)^3 - 1 \\ (2)^2 - 1 \\ (2)^3 - 1 \\ (3)^2 - 1 \\ (3)^3 - 1 \\ (4)^2 - 1 \\ (4)^3 - 1 \end{array}$