UP-VDO MOCK TEST – 9 (SOLUTION)

51. (B) As, M P : N Q (+1)
Similarly, B E : **C F** (+1)

52. (C) As, 11 : 145 → (11×(11+2)) + 2 = 145
Similarly,
14 → (14×(14 + 2)) + 2 = **226**

53. (A) As, A F B C A I D F (+0, +3, +2, +3)
Similarly, E I D N : **E L F Q** (+0, +3, +2, +3)

54. (B) As, 3 : 36 → $(3)^3 + (3)^2 = 27 + 9 = 36$
Similarly,
5 :150 $(5)^3 + \rightarrow (5)^2 = 125 + 25 =$**150**

55. (A) As, Traveller is related to journey.
Similarly, Sailor is related to **Voyage**.

56. (C) As, Sink is antonym of float.
Similarly, Destroy is antonym of **Create**.

57. (D) 2 , 1 , 1 , 1.5 , 3 , **7.5** , 22.5
(×1/2, ×1, ×3/2, ×2, ×5/2, ×3)

58. (B) 178568 , 89284 , 44642 , **22321** , 11160.5
(÷2, ÷2, ÷2, ÷2)

59. (A) 136 , 154 , 170 , **188** , 204 , 222
(+18, +16, +18, +16, +18)

60. (C) b , e , d , f , **i** , h , j , **m** , l , n
(+3, −1, +2, +3, −1, +2, +3, −1, +2)

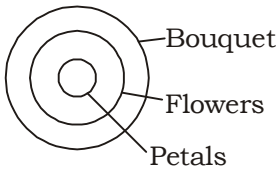
61. (B) a d b c a c b d a b c d a d b c a c b d

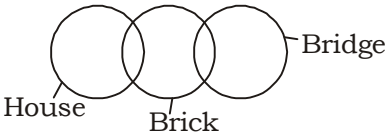
62. (A) DFB JLH PRN **VXT** (+6, +6, +6)

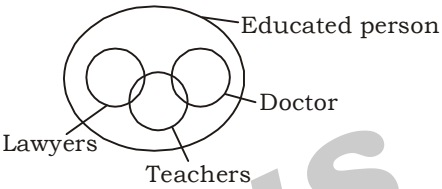
63. (D) Except '**3385**', others are cube of natural number.

64. (C) Except '**turmeric**', others are vegetables.

65. (D) Q T : R S (+1, −1); L O : M N (+1, −1)
B E : C D (+1, −1); **V Y : X X** (**+2**, **−1**)

66. (A)


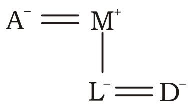
67. (C)


68. (B)


69. (A) C O D I N G : T M R W L X (opposite alphabets)
and D E L E T E : V G V O V W (opposite alphabets)
Similarly,
S P O R T S : **H G I L K H** (opposite alphabets)

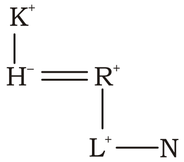
70. (D) As, N A T U R E : M D G X I H (opposite alphabets; +3, +3, +3)
and S A M P L E : H D N S O H (opposite alphabets; +3, +3, +3)
Similary,
N U M B E R : **M X N E V U** (opposite alphabets; +3, +3, +3)

71. (A) **A + M % L + D**.

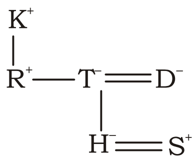


A is **mother-in-law** of D.

72. (B) **K % H + R % L $ N**

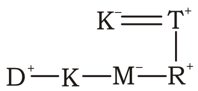


73. (D)



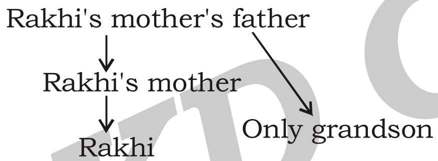
∴ S is '**son-in-law**' of D.

74. (C)



∴ T and K has minimum **two** sons because gender of K is not specified.

75. (C)



∴ That person **may be his brother or cousin**.

76. (A)

Breeza / D	Alto / B	Amaze / A	BMW / C	↓
P / Civic	S / i20	R / i10	Q / Audi	↑

77. (C)

78. (B)

79. (D)

80. (B)

81. (B) 1600 years contain 0 odd days.
300 years contain 1 odd days
83 years contain 20 leap years and 63 ordinary yrs.
(∴ 40 + 0) odd days
Number of odd days between Jan, 1984 and 31st, oct, 1984
= 305 days = 4 odd days
Total odd days = 1+ 5 + 4 = 10
i.e 3 odd day
∴ 31st Oct, 1984 was **Wednesday**

82. (D) Required angle $= 30(5) - \frac{11}{2}(15)$
$= 150 - 82.5$
$= \mathbf{67.5°}$

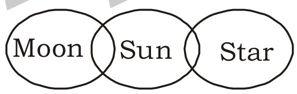
83. (A) We know that 60 min are gained in
$\frac{60}{55} \times 60 = 65\frac{5}{11}$ min.
But they are together after 63 minutes.
∴ gain in 63 min$=65\frac{5}{11} - 63 = 2\frac{5}{11} = \frac{27}{11}$ min.
∴ gain in 24 hours $= \frac{27 \times 60 \times 24}{11 \times 63}$
$= \mathbf{56\frac{8}{77}}$ **min**.

84. (C) From 1988, count no. of odd days.

year	1988	1989	1990	1991	1992
odd days	2	1	1	1	2

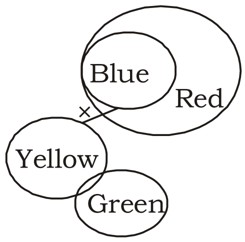
= 7 odd days.
∴ Calender of **1993** is same as that of 1988.

85. (B)



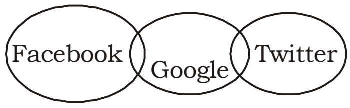
I. True
II. can't say
∴ Only **Conclusion I** follow.

86. (B)



I. Can't say
II. True
∴ Only **Conclusion II** follow.

87. (D)



I. Can't say
II. Can't say
∴ Neither I nor II follows.

88. (A) Except option 'A', arrows in other figures are pointing in anti-clockwise direction.

89. (D) Except option 'D', others are lateral inversion of english alphabets.

90. (B)

91. (C) Total number of rectangle and square in a figure is given by = $\frac{mn(m+1(n+1)}{4}$

Where 'm' and 'n' are no. of row and columns.

A.T.Q., m = 6, n = 4

Total square and rec. = $\frac{6\times4(6+1)(4+1}{4}$

= 210

No. of square in given figure

6 × 4 + 5 × 3 + 4 × 2 + 3 × 1 = 50

Required no. of rectangle = 210 – 50

= **160**

92. (B) As, $\frac{10688}{4} = 2672$

and $\frac{2672}{4} = 668$

Similarly, $\frac{668}{4}$ = **167**

93. (A) A.T.Q.,

$A - B = 12$ yrs ...(i)

$\frac{A-6}{B-6} = \frac{3}{2}$

$\Rightarrow 2A - 3B = -6$ ...(ii)

from eq(i) and eq(ii)

A age = **42 yrs** B's age = **30 yrs**

94. (B) Required average = $\frac{20\times15.6+5\times15.4}{25}$

= **15.56 yrs**.

95. (D) Let the numerator and denominator be x and y.

A.T.Q., $\frac{x-1}{y-1} = \frac{1}{3}$

$3x - 3 = y - 1$

$3x - y = 2$ ...(i)

$\frac{x+1}{y+1} = \frac{1}{2}$

$2x + 2 = y + 1$

$2x - y = -1$ ...(ii)

From eq(i) and eq(ii)

$x = 3$, $y = 7$

Required sum = 3 + 7 = **10**

96. (B) A.T.Q.,

$x + y = 27$ ...(i)

$5x + 11y = 195$ ...(ii)

from eq(i) and eq(ii)

$y = 10$ and $x = 17$

Required ratio = **17 :10**

97. (B) ATQ,

$A = 1200000 \times \frac{15}{100} \times \frac{64}{100} \times \frac{15}{100}$

$\Rightarrow$ A = 17280

$B = 1200000 \times \frac{16}{100} \times \frac{80}{100}$

$\Rightarrow$ B = 153600

$\therefore$ Required percentage = $\frac{17280}{153600} \times 100$

= **11.25**

98. (B) Total number of offline applicants from exam centre H = $1200000 \times \frac{20}{100} \times \frac{16}{100}$

= 38400

Total number of present applicants from exam centre G = $1200000 \times \frac{25}{100} \times \frac{75}{100}$

= 225000

$\therefore$ Required difference = 225000 – 38400

= **186600**

99. (B) Offline applicants from exam centre F and G

F $\Rightarrow 1200000 \times \frac{15}{100} \times \frac{34}{100} = 61200$

G $\Rightarrow 1200000 \times \frac{25}{100} \times \frac{31}{100} = 93000$

$\therefore$ Required total = 61200 + 93000 = **154200**

100. (A) Present applicants from exam centre

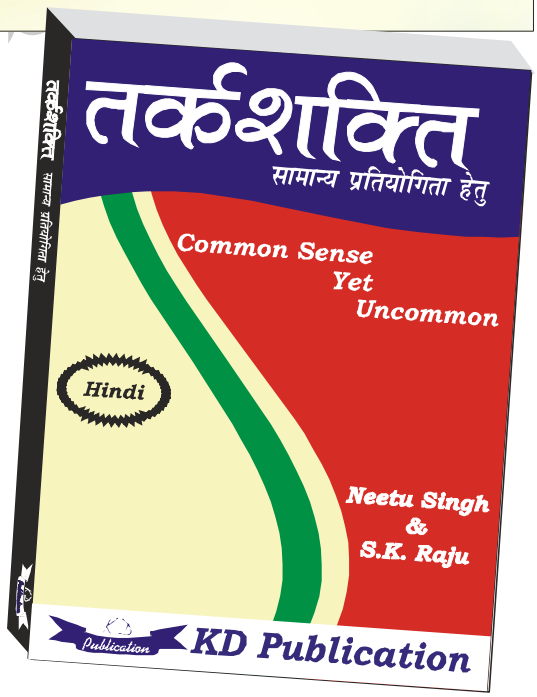
K $\Rightarrow 1200000 \times \frac{16}{100} \times \frac{80}{100}$

Total number of offline applicants from exam centre J

J $\Rightarrow 1200000 \times \frac{24}{100} \times \frac{36}{100}$

UP-VDO MOCK TEST – 9 (ANSWER KEY)

1.	(D)	51.	(B)	101.	(C)
2.	(C)	52.	(C)	102.	(B)
3.	(C)	53.	(A)	103.	(D)
4.	(D)	54.	(B)	104.	(C)
5.	(C)	55.	(A)	105.	(A)
6.	(D)	56.	(C)	106.	(B)
7.	(B)	57.	(D)	107.	(C)
8.	(C)	58.	(B)	108.	(B)
9.	(A)	59.	(A)	109.	(B)
10.	(C)	60.	(C)	110.	(B)
11.	(A)	61.	(B)	111.	(B)
12.	(A)	62.	(A)	112.	(D)
13.	(C)	63.	(D)	113.	(C)
14.	(A)	64.	(C)	114.	(D)
15.	(C)	65.	(D)	115.	(B)
16.	(D)	66.	(A)	116.	(C)
17.	(B)	67.	(C)	117.	(A)
18.	(C)	68.	(B)	118.	(D)
19.	(C)	69.	(A)	119.	(D)
20.	(C)	70.	(D)	120.	(D)
21.	(B)	71.	(A)	121.	(D)
22.	(A)	72.	(B)	122.	(D)
23.	(C)	73.	(D)	123.	(D)
24.	(C)	74.	(C)	124.	(B)
25.	(D)	75.	(C)	125.	(C)
26.	(A)	76.	(A)	126.	(C)
27.	(B)	77.	(C)	127.	(A)
28.	(C)	78.	(B)	128.	(A)
29.	(D)	79.	(D)	129.	(C)
30.	(B)	80.	(B)	130.	(B)
31.	(C)	81.	(B)	131.	(C)
32.	(B)	82.	(D)	132.	(A)
33.	(C)	83.	(A)	133.	(B)
34.	(A)	84.	(C)	134.	(A)
35.	(A)	85.	(B)	135.	(A)
36.	(A)	86.	(B)	136.	(C)
37.	(A)	87.	(D)	137.	(D)
38.	(D)	88.	(A)	138.	(B)
39.	(D)	89.	(D)	139.	(D)
40.	(D)	90.	(B)	140.	(C)
41.	(D)	91.	(C)	141.	(B)
42.	(D)	92.	(B)	142.	(C)
43.	(D)	93.	(A)	143.	(C)
44.	(D)	94.	(B)	144.	(B)
45.	(D)	95.	(D)	145.	(C)
46.	(D)	96.	(B)	146.	(C)
47.	(D)	97.	(B)	147.	(C)
48.	(B)	98.	(B)	148.	(C)
49.	(A)	99.	(B)	149.	(C)
50.	(B)	100.	(A)	150.	(B)



Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock Test.

Note:- If you face any problem regarding result or marks scored, please contact 9313111777