

**UP-VDO MOCK TEST – 10 (SOLUTION)**

51. (A) As,  $11 : 145 \rightarrow (11 + 1)^2 + 1$   
Similarly,  $15 \rightarrow (15 + 1)^2 = 256 + 1 = \mathbf{257}$

52. (C) As,  $12 : 5 \rightarrow \frac{12}{3} + 1 = 4 + 1 = 5$

Similarly,  $? : 32 \rightarrow \frac{93}{3} + 1 = 32$

53. (D) As, Marathon is a lengthy race.  
Similarly, **Hibernation** is lengthy sleep.

54. (B) As, Actor acts in play  
Similarly, **Musician** plays music in concert.

55. (A) As, ACEG : DFHJ  
                        +3  
Similarly, QSUM : TVXZ  
                        +3

56. (C) As, DOorS : sROod  
Similarly, SlighT : **tHGis**

57. (B)  $\frac{8}{\times 2}, \frac{16}{\times 3}, \frac{48}{\times 4}, \frac{192}{\times 5}, \frac{960}{\times 6}, \frac{5760}{\times 6}$

58. (D)  $\frac{4}{\times \frac{1}{2} - \frac{1}{2}}, \frac{15}{\times 1 + \frac{1}{2}}, \frac{2}{\times \frac{3}{2} - \frac{1}{2}}, \frac{25}{\times 2 + \frac{1}{2}}, \frac{55}{\times \frac{5}{2} - \frac{1}{2}}, \frac{1325}{\times \frac{5}{2} - \frac{1}{2}}$

59. (A)  $\frac{1}{+(1)^0}, \frac{2}{+(2)^1}, \frac{4}{+(3)^2}, \frac{13}{+(4)^3}, \frac{77}{+(5)^4}, \frac{702}{+(5)^4}$

60. (B)  $\frac{AB}{C}, \frac{ZY}{X}, \frac{DE}{F}, \frac{WV}{V}, \frac{GH}{I}, \frac{TS}{R}$   
                        opp. alp.                  opp. alp.                  opp. alp.

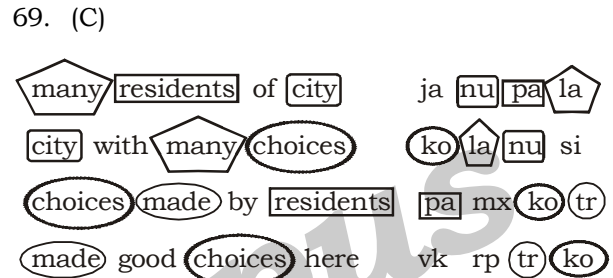
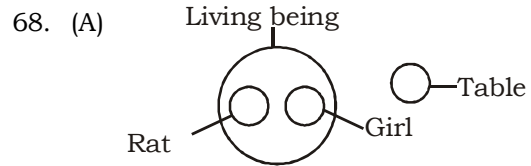
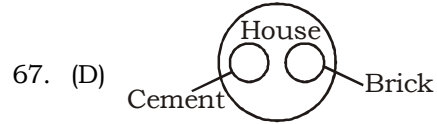
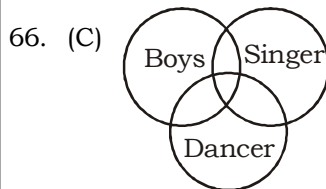
61. (C) m **p** p l **m** p p l m p **m** l m p p **l**

62. (B)  $\frac{4E}{+4}, \frac{8I}{+5}, \frac{13N}{+6}, \frac{19T}{+7}, \frac{26A}{+7}$

63. (D)  $527 \rightarrow 5 + 2 = 7$   
 $369 \rightarrow 3 + 6 = 9$   
 $459 \rightarrow 4 + 5 = 9$   
**847**  $\rightarrow 8 + 4 \neq 7$

64. (C) Except 'office', others are educational institutes.

65. (C)  $\frac{A}{+3}, \frac{D}{+2}, \frac{E}{+2}, \frac{T}{+3}, \frac{W}{+2}, \frac{Y}{+2}, \frac{J}{+3}, \frac{M}{-2}, \frac{K}{-2}, \frac{G}{+3}, \frac{J}{+2}, \frac{L}{+2}$



∴ with = si  
70. (B) Made by residents = **mx pa tr**

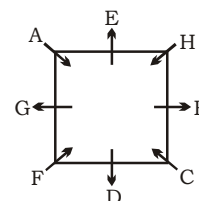
71. (A)  $P = V^+$   
 $R - S^- - T^+$   
∴ V is the **husband** of P

72. (D)  $N$   
 $Q^+ - S - M^- - P^-$   
∴ P is the **sister** of Q.

73. (B)  $N^+ = C^-$   
 $P - Q^-$   
 $\downarrow$   
 $V$   
∴ Q is daughter of N

74. (C)  $F^-$   
 $M^- - K - D^+$   
∴ Gender of K is not specified.  
∴ K can be **son or daughter** of F.

75. (D) 'Harsh has only one sister'  
(76-80):



76. (A)

77. (B)  
78. (D)  
79. (C)  
80. (A)

81. (B) Required angle =  $(30 \times 7 - \frac{11}{2} \times 30)$   
= **45°**

82. (A) ATQ.,

$$\frac{65 \frac{5}{11} - 65}{65} \times 64 = \frac{5}{11 \times 65} \times 24$$

= **24 hrs fast**  
**143**

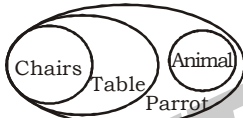
83. (C) Leap year in 400 yrs = 97  
Then in 1200 yr =  $97 \times 3$   
= **291 leap years.**

84. (B) ATQ.,

48% = 13% + 455  
35% — 455

∴ Required marks =  $\frac{455}{35} \times 48 = \mathbf{624}$

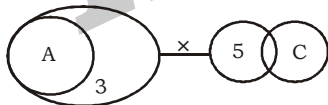
85. (B)



I. Can't say    II. Can't say  
III. Can't say    IV. Can't say

∴ Either III or IV follows.

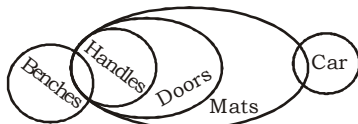
86. (A)



I. True    II. False

∴ Only I follows

87. (B)



I. Can't say

II. True

III. Can't say

∴ Either I or III and II follows

88. (B)

89. (A)

90. (D)

91. (B) Required number of students

$$= \frac{80 - 40 - 33 - 1}{2} = \frac{6}{2} = \mathbf{3}$$

92. (C) Let the manager be 'x' and clerk by y.  
ATQ,

$$\frac{15 \times 4600 + y \times 1100}{15 + y} = 1200$$

⇒  $63000 - 18000 = 1200y - 1100y$

⇒  $51000 = 100y$

⇒ **y = 510**

93. (B) 40 triangles

94. (A) As,  $(8 + 9) \times 3 = 51$

and,  $(18 + 3) \times 2 = 42$

Similarly  $(9 + 4) \times 6 = \mathbf{78}$

95. (D) **Milk : Water**

2 : 1

Total quantity = 60l

Milk = 40l

Water = 20l

Let the quantity of water added be x.

A.T.Q.,

$$\frac{40}{20 + x} = \frac{1}{2}$$

80 = 20 + x

⇒ **x = 60l**

96. (D) Total coins of ₹1, 50 and 25p =  $8x : 5x : 3x$

value of coin S =  $8x : \frac{x}{2} : \frac{3x}{4}$

A.T.Q.,

$$225 = 8x + \frac{50x}{2} + \frac{3x}{4}$$

⇒  $\frac{32x + 10x + 3x}{4} = 225$

⇒  $45x = 225 \times 4$

$x = 225 \times \frac{4}{45} = 20$

∴ Number of one ₹ coin are =  $20 \times 8 = \mathbf{160}$

97. (A) Required angle =  $\frac{4}{100} \times 360^\circ = \mathbf{14.4^\circ}$

98. (A) Percentage expenditure =  $\frac{57.6^\circ}{360^\circ} \times 100\%$

= 16%

16% expenditure ⇒ **paper**

99. (A) ATQ,

42% = ₹4200 [Printing]

⇒ 1% = ₹100

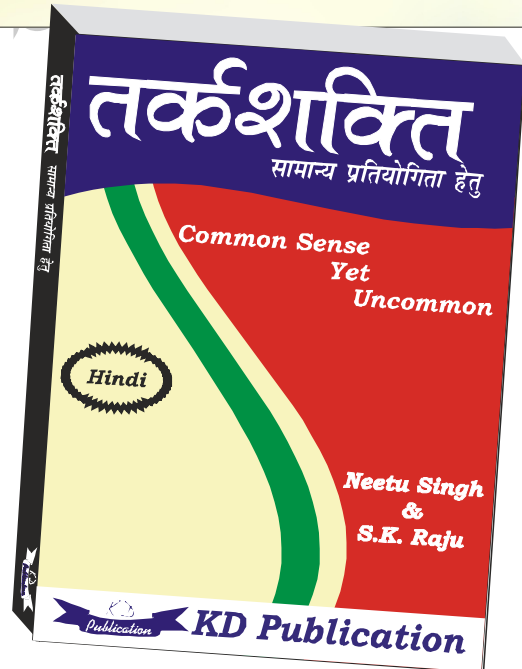
⇒ 12% = **₹1200** [Royalty]

100. (B) Required ratio = 42% : 16%

= **21 : 8**

**UP-VDO MOCK TEST – 10 (ANSWER KEY)**

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



**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**