

UP-VDO MOCK TEST - 16 (SOLUTION)

51. (D) As, Spider belongs to the family of insects Similarly, crocodile belongs to the family of **Reptile**.

52. (A) As, Iron is the major constituent of the Haemoglobin. Similarly, calcium is the major constituent of the Chlorophyll.

53. (B) As, $27 : 16 \rightarrow (\sqrt[3]{27} + 1)^2 = 16$

Similarly, $125 \rightarrow (\sqrt[3]{125} + 1)^2 = 36$

54. (C) As, $53 : 15 \rightarrow [(5 + 3) \times 2 - 1] = 15$
Similarly, $97 \rightarrow [(9 + 7) \times 2 - 1] = 31$

55. (A) As, A D V A N C E
V A D Z E N C
Opposite

Similarly, P R E P A R E
E P R K E A R
Opposite

56. (B) E $\xrightarrow{+2}$ G $\xrightarrow{-4}$ C
W $\xrightarrow{-2}$ U $\xrightarrow{+4}$ Y
M $\xrightarrow{+2}$ O $\xrightarrow{-4}$ K
P $\xrightarrow{+2}$ R $\xrightarrow{-4}$ N

57. (D) 43, 56, 72, 94, 125, 168
 $\xrightarrow{+13}$ $\xrightarrow{+16}$ $\xrightarrow{+22}$ $\xrightarrow{+31}$ $\xrightarrow{+43}$

58. (B) 3, 3, 4, 13, 49, 149, 374
 $\xrightarrow{+0}$ $\xrightarrow{+1}$ $\xrightarrow{+9}$ $\xrightarrow{+36}$ $\xrightarrow{+100}$ $\xrightarrow{+225}$

59. (A) 1, 1, 3, 9, 21, 41, 71
 $\xrightarrow{+(1^2-1)}$ $\xrightarrow{+(2^2-2)}$ $\xrightarrow{+(3^2-3)}$ $\xrightarrow{+(4^2-4)}$ $\xrightarrow{+(5^2-5)}$ $\xrightarrow{+(6^2-6)}$

60. (A) X, O, K, F, B
 $\xrightarrow{-7}$ $\xrightarrow{-6}$ $\xrightarrow{-5}$ $\xrightarrow{-4}$

61. (C) DEF, HIJ, MNO, STU, ZAB
 $\xrightarrow{+4}$ $\xrightarrow{+5}$ $\xrightarrow{+6}$ $\xrightarrow{+7}$

62. (C) b c a a b c a a b c a a b c a a

63. (C) $56 : 30 \rightarrow (5 + 1) \times (6 - 1) = 30$
 $84 : 27 \rightarrow (8 + 1) \times (4 - 1) = 27$
75 : 36 $\rightarrow (7 - 1) \times (5 + 1) = 36$
 $64 : 21 \rightarrow (6 + 1) \times (4 - 1) = 21$

64. (D) Except **wife**, others are natural relation.

65. (B) Except **'X'**, others are at odd position in English alphabet series.

66. (C) Rice, Mustard, Beetroot

67. (A) Ear, Hand, Body

68. (B) Chair, Book, Furniture

69. (D) H O S P I T A A opposite alphabet
S L H K R G Z Z
O U E S T I O N opposite alphabets
J F V H G R L M

70. (B) B A T $\rightarrow 2 + 1 + 20 = 23 \rightarrow 32$
2 1 20
and, F R O G $\rightarrow 6 + 18 + 15 + 7 = 46 \rightarrow 64$
6 18 15 7
Similarly,
D A N C E $\rightarrow 4 + 1 + 14 + 3 + 5 = 27 \rightarrow 72$

71. (D) Rid = Maddy, Mia = Johney
Simmi - Dily = Anju - Kiara = Sanju
F Resham Addy - Tomy

∴ Resham and Addy are cousins.
72. (A)
73. (B)
74. (B)

75. (A) Father
Mother
Mohit $\xrightarrow{\text{Person}}$ Pointing

∴ That woman is mother of that person.

76. (A) U N I V E R S I T Y


∴ There are **four** such pairs.
77. (D) EMITS, ITEMS, MITES, SMITE, STIME and TIMES.

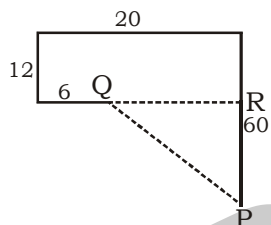
∴ More than 5 words can be formed
78. (D) Rich : D > B > A > C
Smartness : C > B > D > A.
∴ B is the **second** smartest among them

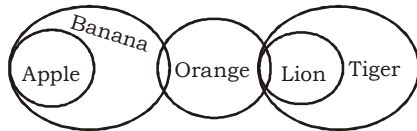
79. (B) D is the richest
80. (B) **11th June**


81. (A) Acc. to the question Rahul is the youngest and Neha is the oldest. So, Neha was born before Rahul and Karen.
 Suppose Rahul was born on x day.
 \therefore Neha was born on $= x - 536 - 525$ (75 weeks)
 No. of odd days $= 1061 \div 7 = 4$ (remainder)
 $\therefore x - 4 = 4$.
 Means $x = 8 = 1 =$ **Monday**

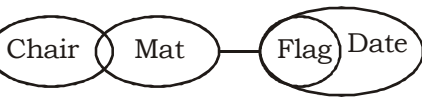
82. (B) Required time $= H : \left(H \times 5 \frac{\text{Angle}}{6} \right) \times \frac{12}{11}$
 Here, Angle $= 0^\circ$ (\therefore Both hands coincide)
 $= 6 : \left(6 \times \pm \frac{0}{6} \right) \times \frac{12}{11}$
 $= 6 : 32 \frac{8}{11}$

83. (B) 
 Total number of girls $= 25 + 16 - 1 = 40$

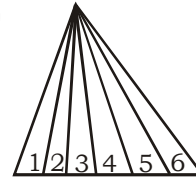
84. (B) 
 In ΔPQR
 $PR = 60 - 12 = 48\text{m}$
 $QR = 20 - 6 = 14\text{m}$
 $PQ = \sqrt{48^2 + 14^2} = 50\text{m}$.
 \therefore He is **50m, North-west** of P.

85. (C) 
 I. Can't say
 II. Can't say
 III. Can't say
 IV. Can't say
 \therefore Either **I or II** follows

86. (C) 
 I. Can't say
 II. Can't say
 \therefore Either **I or II** follows

87. (B) 
 I. Can't say
 II. True
 \therefore Only **II** follows.

88. (D)
 89. (C)
 90. (B)
 91. (B)



Here, $n = 6$

\therefore Required number of Δ 's $= \frac{n(n+1)}{2}$
 $= \frac{6 \times (6+1)}{2} = 3 \times 7 = 21$

92. (C) As, $(2 \times 3 \times 1 \times 5) + 1 = 31$
 and $(2 \times 4 \times 6 \times 3) + 1 = 145$
 Similarly, $(1 \times 2 \times 7 \times 4) + 1 = 71$
 93. (C) Let present age of Rani and her mother be x and y respectively.

ATQ.,
 $x = \frac{5}{3} (x - 10)$

$\Rightarrow 2x = 50$
 $x = 25$
 Now, $y = 2x$
 $\Rightarrow y = 2 \times 25 = 50$
 \therefore Required age $= 50 - 10 = 40$ yrs.

94. (D)
 95. (B) Let the population of village 2 years ago $= x$

A.T.Q.,
 $x \times \frac{11}{8} \times \frac{87}{80} = 28,710$
 $\Rightarrow x = 19200$

96. (D) Total CP $= 45 \times 62 + 30 \times 25$
 $= ₹3540$

Total SP $= 3540 \times \frac{13}{10}$ (\therefore Profit = 30%)
 $= ₹4602$

SP of 1 litre of mixture $= \frac{4602}{45 + 30}$
 $= ₹61.36$

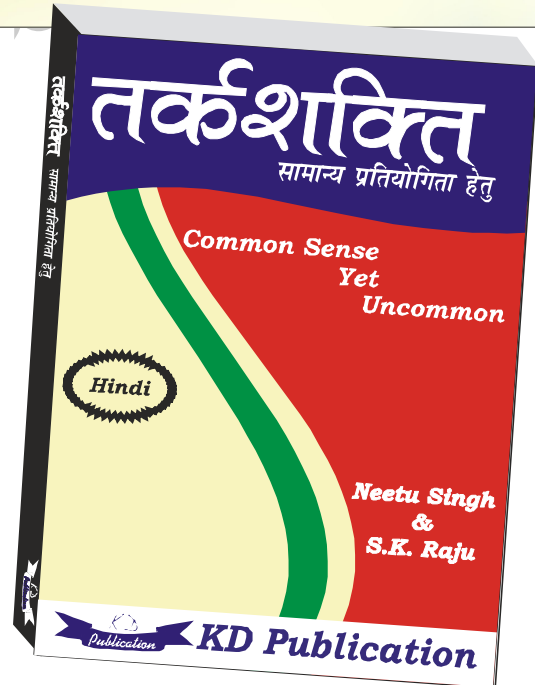
97. (D) Required average
 $= \frac{42 + 50 + 40 + 45 + 48 + 52}{6}$

98. (A) Required Ratio $= (48 + 58) : (54 + 50)$
 $= 106 : 104$
 $= 53 : 52$

99. (B)
 100. (A)

UP-VDO MOCK TEST - 16 (ANSWER KEY)

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



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