

UP-VDO MOCK TEST - 2 (SOLUTION)

- (C) As, 'Threat' leads to 'Fear'.
Similarly, '**Provocation**' leads to 'Anger'.
- (C) As, 'Yen' is the currency of 'Japan'.
Similarly, '**Renminbi**' is the currency of 'China'.
- (C) As, 'Shield' is used by 'Soldier'.
Similarly, '**Helmet**' is used by 'Rider'.
- (A) As, 'Butcher' uses 'Knife'.
Similarly, 'Hairdresser' uses '**Scissors**'.
- (C) As,

$$1024 \Rightarrow \sqrt{1024} = 32 \Rightarrow 32-1 = 31$$

$$\text{Similarly, } 1225 \Rightarrow \sqrt{1225} = 35 \\ \Rightarrow 35 - 1 = \mathbf{34}$$

- (A) As,

$$21 \Rightarrow \frac{21}{7} > 3$$

Similarly,

$$574 \Rightarrow \frac{574}{7} = \mathbf{82}$$

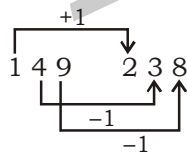
- (D) As,

$$6 \Rightarrow 6^3 + 6 = 216 + 6 = 222$$

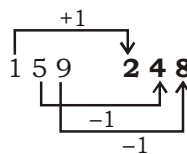
Similarly,

$$7 \Rightarrow 7^3 + 7 = 343 + 7 = \mathbf{350}$$

- (B) As,



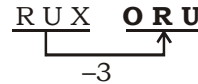
Similarly,



- (B) As, Letter \rightarrow E G I M
Position \rightarrow 5 7 9 13

Similarly,

Letter \rightarrow C E H P
Position \rightarrow 3 5 8 16



- (A) All except '**Doctor**' required raw material to work on it.

- (D) $2 \Rightarrow (2 + 1)^2 = 9$

$$3 \Rightarrow (3 + 1)^2 = 16$$

$$4 \Rightarrow (4 + 1)^2 = 25$$

$$5 \Rightarrow (5 + 1)^2 = 36 \neq \mathbf{49}$$

- (D) Except '**VNYQ**', all others have vowels.

- (C) Except '**7331**', all others are not prime number.

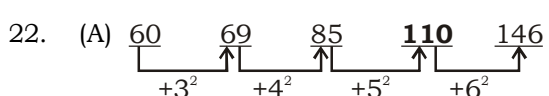
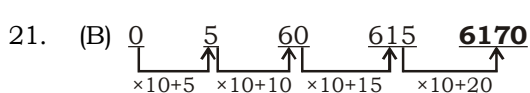
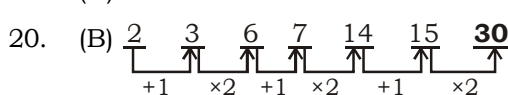
- (C) Except '**Thump**', all others are sounds of animals.

- (D) Except '**Cuboid**', all others are 2-D diagrams.

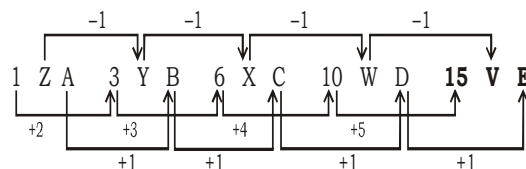
- (B) Except '**Smt. Pratibha Patil**' all others are ex-prime ministers of India

- (C) $1^2 + 2^2 + 3^2 + 4^2 + 5^2 + 5 \times 3$
 $= 1 + 4 + 9 + 16 + 25 + 15 = \mathbf{70}$

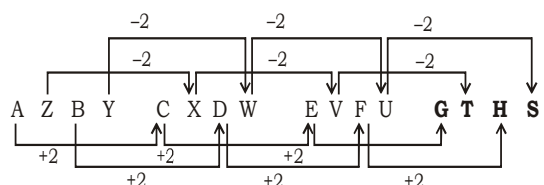
- (C) $5 + 5 + 1 + 1 = \mathbf{12}$



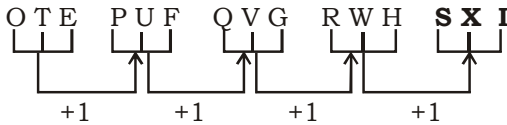
- (D)



- (C)



25. (A)



26. (A) For mirror image of clock
We have,

$$\begin{array}{r} 11 : 60 \\ - 8 : 40 \\ \hline 3 : 20 \end{array}$$

27. (C) The watch gains 5 seconds in 3 minutes
So, in 1 hour it gains = 5×20 ($\because 20 \times 3 = 60$ minutes)

$$= 100 \text{ seconds.}$$

So, in 14 hours (8 A.M. to 10 P.M.) it gains = $100 \times 14 = 1400$ seconds

$$\Rightarrow \frac{1400}{60} = 23 \text{ minutes } 20 \text{ seconds.}$$

So, req. time = 10 : 23 : 20 P.M.

28. (D) **Tuesday**

31/12/2000 → Sunday

31/12/2100 → Friday

31/12/2200 → Wednesday

31/12/2300 → Monday

31/12/2400 → Sunday

: : : : :
: : : : :
: : : : : Repeat

29. (C) Till 1600 years = 0 odd day
Next 300 years = $5 + 5 + 5 = 15$ days
1900 years = 0 **1 odd days**

(\because In every 100 years = 5 odd days)

Next 46 years = 11 leap years + 46
= 57 days
= **1 odd day**

Now In 1947,

From 1 Jan. to 15 Aug.

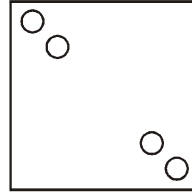
No. of days = $31 + 28 + 31 + 30 + 31 + 30 + 31 + 15$
= 227 days

$$\text{Odd days} = \frac{227}{7} = \mathbf{3 \text{ odd days}}$$

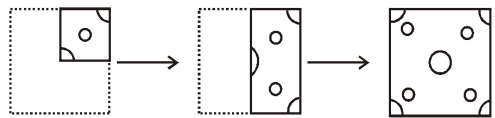
So total odd day = $1 + 1 + 3 = 5$ day

So given day was **Friday**.

30. (C)



31. (C)

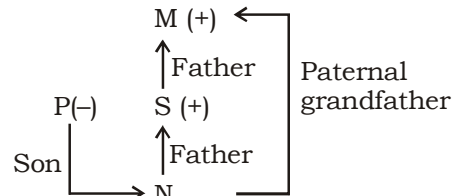


32. (D) In each one of the figures except figure (5), two arrows point towards left and one arrow points towards right. But in figure (5) one arrow points towards left and two arrows point towards right.

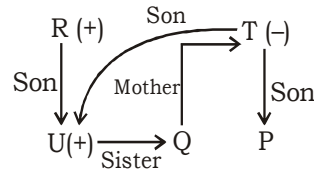
33. (B) In all other figures except figure (1), as we move from the innermost to the outer most element, the numbers of sides of the elements either increase or decrease in a sequence.

34. (A) In all other figures, except figures (3), the line segment is the diameter of the circle.

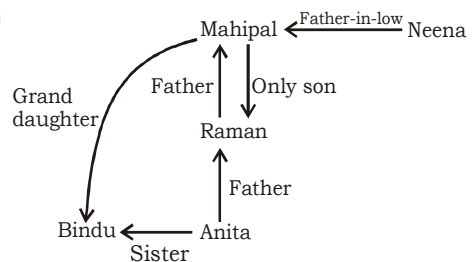
35. (B) $M + S + N \% P$

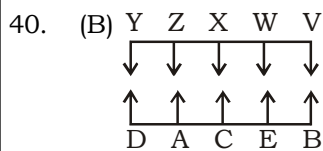
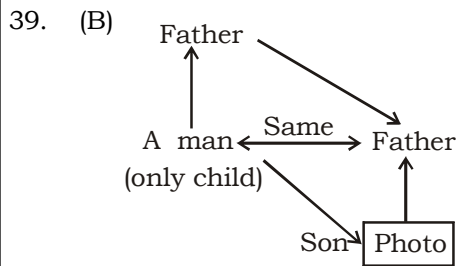
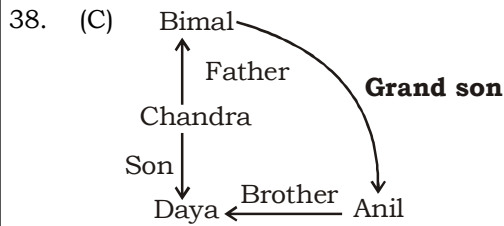


36. (C) $P \% T - Q / U \% R$



37. (A)





There are two person (C & E) between A and B.

41. (D) C is exactly between A and E.

42. (B) A sits on the immediate right of D

43. (D) Let Sudheer's share = ₹ x

$$\text{Then Anil's share} = x \times \frac{2}{3} = ₹ \frac{2x}{3}$$

$$\text{Then Sunil's share} = \frac{2x}{3} \times \frac{1}{3} = ₹ \frac{2x}{9}$$

$$\begin{aligned} \text{So, total bill} &= x + \frac{2x}{3} + \frac{2x}{9} \\ &= \frac{9x + 6x + 2x}{9} = \frac{17x}{9} \end{aligned}$$

$$\therefore \text{Req. fraction} = \frac{2x}{3} \times \frac{9}{17x} = \frac{6}{17}$$

44. (A) Total person = 20
We know that,

$$\begin{aligned} \text{Total number of handshakes} &= \frac{n(n-1)}{2} \\ &= \frac{20(20-1)}{2} = 190 \end{aligned}$$

45. (C) From 1 to 100, there are ten numbers with 3 as the unit's digit- 3, 13, 23, 33, 43, 53, 63, 73, 83, 93

And, ten numbers with 3 as the ten's digit- 30, 31, 32, 33, 34, 35, 36, 37, 38,

39

So, required number = 10 + 10 = 20

46. (D) Number of cuts made to cut a roll into 10 pieces = 9

$$\begin{aligned} \text{So, Required number of rolls} &= \frac{45 \times 24}{9} = \\ &= 120 \end{aligned}$$

47. (C) Let Varun's age today = x years

Then Varun's age after 1 year = $(x + 1)$ year

Varun's age 12 years ago = $(x - 12)$ years

ATQ,

$$x + 1 = 2(x - 12)$$

$$\Rightarrow x + 1 = 2x - 24$$

$$\Rightarrow x = 25 \text{ years.}$$

48. (C) Let number of Ramesh's Pens = R
and number of Suresh's Pens = S

ATQ,

$$S - x = R + x$$

$$S - R = 2x \quad \dots\dots (i)$$

and

$$R - 2x + 30 = S + 2x$$

$$\Rightarrow -2x + 30 = S - R + 2x \quad \dots\dots (ii)$$

Put the value of $(S - R)$ from eq. (i)

$$\Rightarrow -2x + 30 = 2x + 2x$$

$$\Rightarrow 6x = 30$$

$$\Rightarrow x = 5$$

49. (A) A's 5 shots = B's 3 shots (in same time)

\therefore B kills once in 2 shots, means

B misses once in 2 shots.

So, for 27 misses, B fired = 54 shots.

Then in this same time A's shots

$$= \frac{54}{3} \times 5 = 90 \text{ shots.}$$

A kills once in 3 shots.

So A killed **30** in 90 shots.

$$\left\{ \because 90 \times \frac{1}{3} > 30 \right\}$$

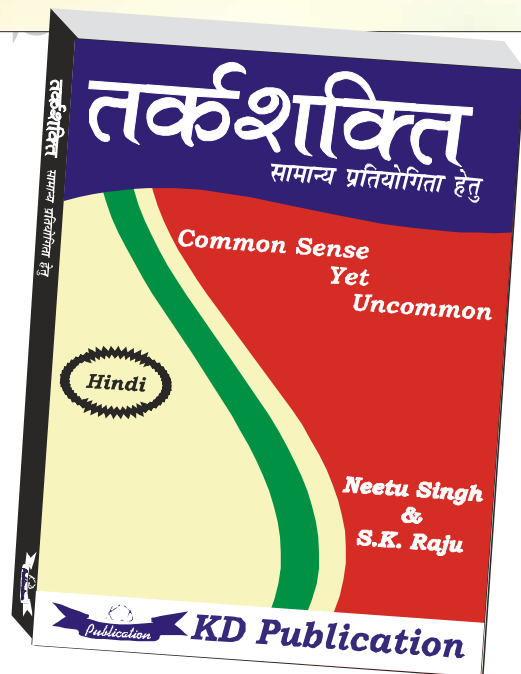
50. (B) A.T.Q.,

For every 15 soldiers there is one captain, means there is one captain out of 16 persons.

$$\begin{aligned} \text{So, total number of captains} &= \frac{1200}{16} \\ &= 75 \end{aligned}$$

UP-VDO MOCK TEST - 2 (ANSWER KEY)

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



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