

**UP-VDO MOCK TEST - 15 (SOLUTION)**

51. (C) As, Fog affect the visibility.  
Similarly, Aids affect the **resistance**.
52. (A) As, Symbol of particular sports is Known as logo.  
Similarly, symbol of nation is known as **Emblem**.

53. (B) As,  $DF : HJ$   
 $\begin{array}{ccc} D & & H \\ & \nearrow & \nearrow \\ & +4 & \end{array}$   
 Similarly,  $OO : SU$   
 $\begin{array}{ccc} O & & S \\ & \nearrow & \nearrow \\ & +4 & \end{array}$

54. (C) As, F L : R  
 $6 + 12 = 18$   
 Similarly, E P : U  
 $5 + 16 = 21$

55. (A) As,  $54 : 40 \rightarrow (5 \times 4) \times 2 = 40$   
 Similarly,  $76 \rightarrow (7 \times 6) \times 2 = 84$

56. (B) As,  $743 : 70 \rightarrow (7 \times 4 \times 3) - (7 + 4 + 3) = 70$   
 Similarly,  $893 : \rightarrow (8 \times 9 \times 3) - (8 + 9 + 3) = 196$

57. (B)  $D \xrightarrow{+1} E \xrightarrow{+2} G \xrightarrow{+3} J \xrightarrow{+4} N$   
 $E \xrightarrow{-1} D \xrightarrow{-2} B \xrightarrow{-3} Y \xrightarrow{-4} U$   
 $J \xrightarrow{+1} K \xrightarrow{+2} M \xrightarrow{+3} P \xrightarrow{+4} T$

58. (C)  $A \xrightarrow{+1} B \xrightarrow{+2} D \xrightarrow{+3} G \xrightarrow{+4} K \xrightarrow{+5} P \xrightarrow{+6} V$

59. (A)  $BC, EF, HI, KL, NO$   
 $\begin{array}{cccccc} B & C & E & F & H & I & K & L & N & O \\ & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 & +2 \end{array}$

60. (D)  $8, 11, 16, 23, 32, 43$   
 $\begin{array}{cccccc} 8 & 11 & 16 & 23 & 32 & 43 \\ & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +3 & +5 & +7 & +9 & +11 \end{array}$

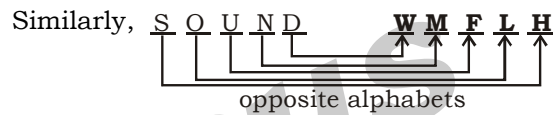
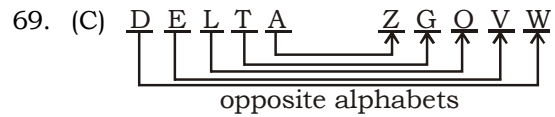
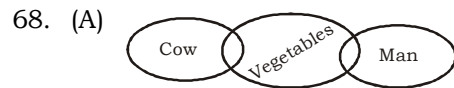
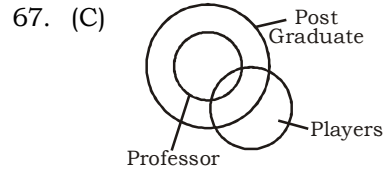
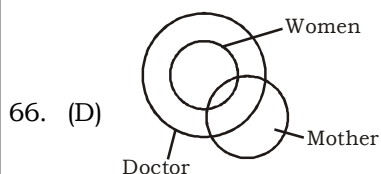
61. (B)  $74, 75, 79, 88, 104, 129$   
 $\begin{array}{cccccc} 74 & 75 & 79 & 88 & 104 & 129 \\ & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +1^2 & +2^2 & +3^2 & +4^2 & +5^2 \end{array}$

62. (A)  $7, 8, 18, 57, 232, 1165$   
 $\begin{array}{cccccc} 7 & 8 & 18 & 57 & 232 & 1165 \\ & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & \times 1+1 & \times 2+2 & \times 3+3 & \times 4+4 & \times 5+5 \end{array}$

63. (B) Except **Google** others are internet browsers.

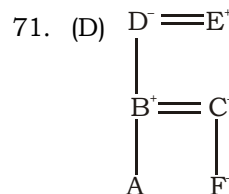
64. (C) Except (182, 198), others has one even and one odd number.

65. (D)  $G \xrightarrow{+1} H \xrightarrow{+1} I \xrightarrow{+1} J$   
 $Y \xrightarrow{-1} X \xrightarrow{-1} W \xrightarrow{-1} V$   
 $K \xrightarrow{+1} L \xrightarrow{+1} M \xrightarrow{+1} N$   
 $I \xrightarrow{+1} J \xrightarrow{-3} G \xrightarrow{+1} H$



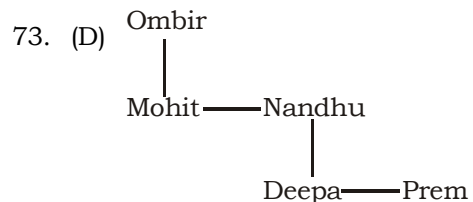
70. (B)  $EFG \rightarrow 5^2 + 6^2 + 7^2 = 110$   
 $5 \ 6 \ 7$   
 and,  $IDM \rightarrow 9^2 + 4^2 + 13^2 = 266$   
 $9 \ 4 \ 13$   
 Similarly,

$LKC \rightarrow 12^2 + 11^2 + 3^2 = 274$   
 $12 \ 11 \ 3$

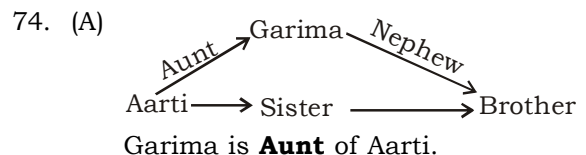


$\therefore$  Gender of A is not specified.  
 $\therefore$  No. of male members cannot be determined.

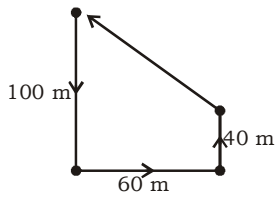
72. (B) D is the **grandmother** of F.



$\therefore$  **Mohit** is the uncle of Prem



75. (B)



∴ She is moving in **North-west** direction.

76. (A) **Y R K S W**

77. (C)

78. (B) **E D F F G**

79. (D)

80. (B) Let the age of Ajay and Sumit be A and S respectively.

ATQ.,

$$A - 6 = \frac{1}{2}(S - 6)$$

$$\Rightarrow 2A - 12 = S - 6 \quad \dots(i)$$

$$\Rightarrow 2A - S = 6$$

$$\text{and, } \frac{A + 4}{S + 4} = \frac{3}{5}$$

$$\Rightarrow 5A + 20 = 3S + 12$$

$$5A - 3S = -8 \quad \dots(ii)$$

On solution eq. (i) and (ii), we get

$$A = 26$$

$$S = \mathbf{46}$$

81. (C) SP of 1 mango =  $\frac{100}{20}$  paise

ATQ.,

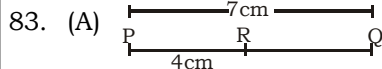
$$\frac{5}{C.P} = \frac{4}{5} \Rightarrow C.P = \frac{25}{4}$$

$$\text{New SP at 20\% profit} = \frac{25}{4} \times \frac{6}{5} = \frac{15}{2}$$

$$\text{Required no. of Mangoes} = \frac{4.50}{\frac{15}{2}} \times 100$$

$$= \mathbf{60^\circ}$$

82. (B) As, they celebrated their anniversary in 2005. According to rule, they will celebrate their next anniversary in = 2005 + 6 = **2011**



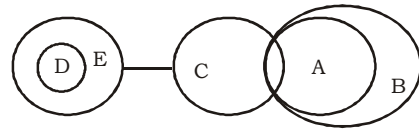
ATQ.,

$$\text{Required Percentage} = \frac{3 - \frac{4 \times 3}{100}}{3} \times 100$$

$$= \mathbf{4\%}$$

84. (B) Required time = 6 : 00 - 4 : 40 + 45 min = 35 minute.

85. (C)

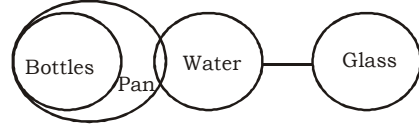


I. True

II. True

∴ **Both follows**

86. (A)

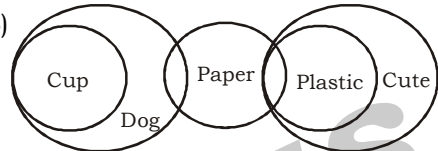


I. True

II. False

∴ **Only conclusion I follows.**

87. (B)



I. Can't say

II. True

∴ **Only II follows.**

88. (C)

89. (A)

90. (D)

91. (B)

92. (C) As,  $8^2 + 10^2 + 5^2 + 3^2 = 198$   
and  $16^2 + 4^2 + 2^2 + 9^2 = 357$   
Similarly,  $5^2 + 6^2 + 11^2 + 7^2 = \mathbf{231}$

93. (A)  $C > A > B$

$E > C > D$

∴ **E runs fastest**

94. (D) **POLLUTE**

95. (D) Required area =  $6\pi r^2 - 4\pi r^2 = 2\pi r^2$

$$= 2 \times \frac{22}{7} \times \frac{17.5}{2} \times \frac{17.5}{2}$$

$$= 481.25 \text{ cm}^2$$

96. (C) Required number =  $11 \times 76 + 11 \times 83 - 21 \times 78$

$$= \mathbf{111}$$

97. (B) Required number of students =  $\frac{38}{100} \times 1800$

$$= \mathbf{684}$$

98. (C) Required ratio = 32 : 10

$$= 16 : 5$$

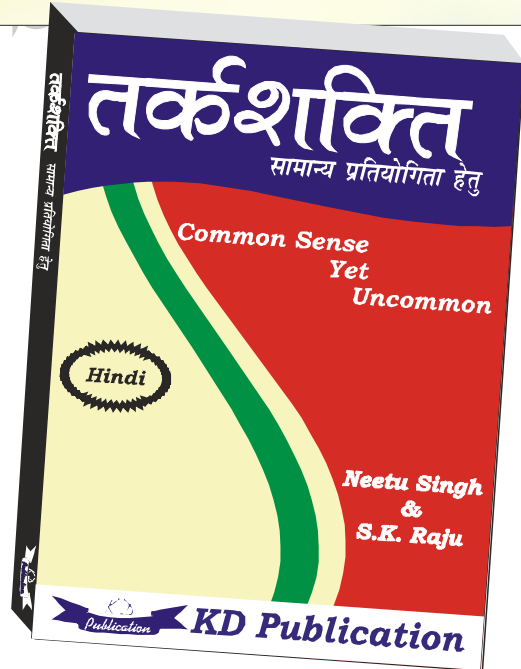
99. (A) Required percentage =  $\frac{8 - 5}{5} \times 100 = \mathbf{60\%}$

100. (A) Required number of students.

$$= \frac{(7 + 32)}{100} \times 1800 = \mathbf{702}$$

**UP-VDO MOCK TEST - 15 (ANSWER KEY)**

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