

## HARYANA SSC MOCK TEST - 42 (SOLUTION)

- |         |         |          |
|---------|---------|----------|
| 1. (D)  | 26. (A) | 51. (B)  |
| 2. (B)  | 27. (A) | 52. (B)  |
| 3. (B)  | 28. (C) | 53. (D)  |
| 4. (B)  | 29. (B) | 54. (B)  |
| 5. (C)  | 30. (A) | 55. (D)  |
| 6. (B)  | 31. (C) | 56. (D)  |
| 7. (A)  | 32. (D) | 57. (B)  |
| 8. (C)  | 33. (D) | 58. (C)  |
| 9. (B)  | 34. (D) | 59. (C)  |
| 10. (B) | 35. (D) | 60. (D)  |
| 11. (B) | 36. (B) | 61. (A)  |
| 12. (C) | 37. (B) | 62. (C)  |
| 13. (A) | 38. (A) | 63. (A)  |
| 14. (B) | 39. (B) | 64. (C)  |
| 15. (D) | 40. (C) | 65. (B)  |
| 16. (C) | 41. (C) | 66. (B)  |
| 17. (C) | 42. (A) | 67. (D)  |
| 18. (B) | 43. (C) | 68. (D)  |
| 19. (C) | 44. (B) | 69. (C)  |
| 20. (D) | 45. (A) | 70. (D)  |
| 21. (B) | 46. (D) | 71. (D)  |
| 22. (A) | 47. (D) | 72. (C)  |
| 23. (A) | 48. (C) | 73. (C)  |
| 24. (C) | 49. (B) | 74. (C)  |
| 25. (B) | 50. (D) | 75. (D)  |
|         |         | 76. (A)  |
|         |         | 77. (C)  |
|         |         | 78. (D)  |
|         |         | 79. (A)  |
|         |         | 80. (A)  |
|         |         | 81. (D)  |
|         |         | 82. (A)  |
|         |         | 83. (A)  |
|         |         | 84. (A)  |
|         |         | 85. (A)  |
|         |         | 86. (A)  |
|         |         | 87. (A)  |
|         |         | 88. (C)  |
|         |         | 89. (C)  |
|         |         | 90. (A)  |
|         |         | 91. (C)  |
|         |         | 92. (B)  |
|         |         | 93. (C)  |
|         |         | 94. (B)  |
|         |         | 95. (B)  |
|         |         | 96. (A)  |
|         |         | 97. (B)  |
|         |         | 98. (C)  |
|         |         | 99. (D)  |
|         |         | 100. (A) |

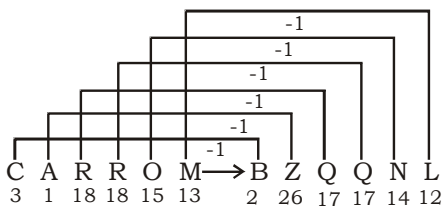
**Explanation:**

41. (C) Rest are spices

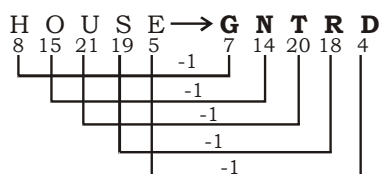
42. (A) 2, 15, 41, 80, 132  
 $+13 \quad +26 \quad +39 \quad +52$

43. (C)

44. (B)



Similarly,

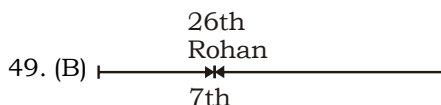


45. (A)

46. (D) gfeii/gfeii/gfeii/gfeii

47. (D) BRAIN

48. (C) Mother's mother = Grandmother(Nani)  
 Grandmother's(Nani's) only son = Uncle



So total = 7 + 26 - 1 = 32

50. (D) If the day after tomorrow is Friday so today is Wednesday

So day before yesterday in Monday.

51. (B) CP of 1st mixer = Rs. x (say)  
 CP of 2nd mixer = Rs. (1500 - x)

By question:-

$$\begin{aligned}
 &109\% \text{ of } x + 94\% \text{ of } (1500 - x) = 1500 \\
 \Rightarrow &1.09x - 0.94x = 1500 - 0.94 \times 1500 \\
 \Rightarrow &0.15x = 1500 - 1410
 \end{aligned}$$

$$\Rightarrow x = \frac{90}{0.15} = 600$$

Required Ratio = 600 : 900 = 2 : 3

52. (B) Let the cost price of the TV for X be ₹ x.  
 Then,

$$110\% \text{ of } 90\% \text{ of } x = 9900$$

  
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$$\Rightarrow x = \frac{9900 \times 100 \times 100}{110 \times 90}$$

$$\Rightarrow x = ₹ 10,000$$

53. (D) Quantity of water = 80% of 15  
= 12 l

New percentage of alcohol

$$= \frac{3}{15+3} \times 100 = \frac{3}{18} \times 100 = \frac{50}{3} \%$$

$$= 16.67\%$$

54. (B) Let the price of the milk be ₹ 100/l

New price of ₹ 115/l

Decrease in consumption

$$= 85\% \text{ of } 115 = \frac{85}{100} \times 115 = ₹ 97.75/l$$

Effect in expenditure

$$= (100 - 97.75)\% = 2.25\% \text{ decrease}$$

55. (D)  $\sqrt{10 + \sqrt{25 + \sqrt{121}}}$

$$= \sqrt{10 + \sqrt{25 + 11}}$$

$$= \sqrt{10 + \sqrt{36}} = \sqrt{10 + 6} = \sqrt{16} = 4$$

56. (D) Man - M, Woman - W

$$18M + 12W \rightarrow 18 \text{ days}$$

$$18M + 6W \rightarrow 18 \text{ days}$$

(∵ A man is twice more efficient than a woman)

$$24M \rightarrow 18 \text{ days}$$

$$1M \rightarrow 18 \times 24$$

$$8M \rightarrow \frac{18 \times 24}{8} = 54 \text{ days}$$

57. (B)  $\left(x - \frac{1}{x}\right)^2 = 5^2$

$$\Rightarrow x^2 + \frac{1}{x^2} - 2 \cdot x \cdot \frac{1}{x} = 25$$

$$\Rightarrow x^2 + \frac{1}{x^2} = 27$$

58. (C) Relative speed =  $\frac{250 + 200}{45} = 10 \text{ m/s}$

$$= 10 \times \frac{18}{5} = 36 \text{ km/hr}$$

Speed of the 2nd train

$$= (36 + 27) \text{ km/hr}$$

$$= 63 \text{ km/hr}$$

59. (C)  $\sqrt[4]{(81)^{-2}} = \left[\left(\frac{1}{81}\right)^2\right]^{\frac{1}{4}}$

$$= \left[\left(\frac{1}{3^4}\right)^2\right]^{\frac{1}{4}} = \frac{1}{3^{4 \times 2 \times \frac{1}{4}}} = \frac{1}{3^2} = \frac{1}{9}$$

60. (D) Required amount

$$= 7500 \times \left(1 + \frac{2}{100}\right) \left(1 + \frac{4}{100}\right) \left(1 + \frac{5}{100}\right)$$

$$= 7500 \times \frac{102}{100} \times \frac{104}{100} \times \frac{105}{100}$$

$$= ₹ 8,353.80$$

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

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