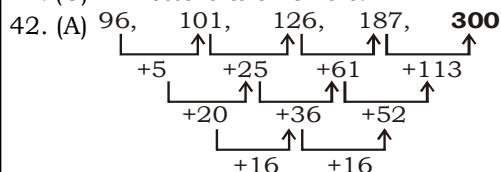


## HARYANA SSC MOCK TEST - 59 (SOLUTION)

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

**Explanation:**

41. (C) All letters are vowels.



43. (D)

44. (B) SENSES

45. (A) Column 1  $3 \times 5 \times 4 = 60$   
Column 2  $5 \times 7 \times 2 = 70$   
Column 3  $8 \times 6 \times 3 = 144$

46. (A)

47. (D)

48. (B) Suppose Sunita's present age =  $x$   
 Her father's present age =  $4x$   
 After 8 years,  
 $3(x + 8) = 4x + 8$   
 $3x + 24 = 4x + 8$   
 $4x - 3x = 24 - 8$   
 $x = 16$

49. (A) 

<b>50 Paise coin</b>	+	<b>25 Paise coin</b>	=	<b>Total</b>
(A) $11 \times 0.50$		$+ 29 \times 0.25$		$= 12.75$
(B) $13 \times 0.50$		$+ 27 \times 0.25$		$= 13.25$
(C) $15 \times 0.50$		$+ 25 \times 0.25$		$= 13.75$
(A) $17 \times 0.50$		$+ 23 \times 0.25$		$= 14.25$

50. (C) MILITARY so, LIMIT  
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$   
 $1\ 2\ 3\ 2\ 4\ 5\ 6\ 7 \quad 3\ 2\ 1\ 2\ 4$

51. (A) Let there was  $x$  men in the beginning.  
 Time taken by 1 man to complete the job  
 $= 30 \times x$  days  
 New number of men  $= x + 5$   
 Time taken by 1 man to complete the job  
 $= (x + 5) \times 20$

$$\begin{aligned}
 \therefore 30x &= (x + 5) \times 20 \\
 \Rightarrow 30x - 20x &= 100 \\
 \therefore x &= 10
 \end{aligned}$$

52. (D) Let the two parts of ₹ 1550 be ₹  $x$  and ₹  $1550 - x$ .

Then,  
 $SI_1 + SI_2 = 300$   
 $\frac{x \times 5 \times 3}{100} + \frac{(1550 - x) \times 8 \times 3}{100} = 300$   
 $\Rightarrow \frac{3}{100} [5x - 8x + 12400] = 300$   
 $\Rightarrow -3x + 12400 = 10000$   
 $\Rightarrow x = \frac{2400}{3} = 800$

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$$\therefore \text{Reqd ratio} = \frac{800}{750} = \frac{80}{75} = \frac{16}{15}$$

53. (B) Let the original price of the rice = ₹  $x$ /kg.

New price = ₹  $0.8x$ /kg

ATQ,

$$\frac{100}{0.8x} - \frac{100}{x} = 2$$

$$\frac{100}{x} \left[ \frac{1-0.8}{0.8} \right] = 2$$

$$x = \frac{100 \times 0.2}{0.8 \times 2} = 12.5$$

$$\begin{aligned} \text{New price} &= ₹ 0.8x/\text{kg} \\ &= ₹ 0.8 \times 12.5 \\ &= ₹ 10/\text{kg} \end{aligned}$$

54. (D) Let the monthly incomes of A and B be ₹  $5x$  and ₹  $6x$  and their expenditures be ₹  $3y$  and ₹  $4y$  respectively.

Then,

$$\begin{aligned} 5x - 3y &= 1800 \quad \times 4 \\ \text{and } 6x - 4y &= 1600 \quad \times 3 \end{aligned}$$

$$20x - 12y = 7200$$

$$18x + 12y = 4800$$

$$\begin{array}{r} 20x - 12y = 7200 \\ 18x + 12y = 4800 \\ \hline 2x = 2400 \\ x = ₹ 1200 \end{array}$$

$$\begin{aligned} \text{Monthly income of B} &= 6 \times 1200 \\ &= ₹ 7200. \end{aligned}$$

55. (A) Let ₹  $x$  be cost price of the article.

Then,

$$90\% \text{ of } x + 9 = 112.5\% \text{ of } x$$

$$\Rightarrow \frac{112.5x - 90x}{100} = 9$$

$$\therefore x = \frac{9 \times 100}{22.5} = ₹ 40.$$

56. (B) Let the second discount =  $x\%$

Then,

$$90\% \text{ of } (100 - x)\% \text{ of } 1000 = 810$$

$$\Rightarrow \frac{90}{100} \times \frac{100 - x}{100} \times 1000 = 810$$

$$\Rightarrow 100 - x = \frac{810}{9} = 90$$

$$\therefore x = 10\%$$

57. (B) The two trains meet at = starting time of 1st

(Time taken by 1st) (2nd's arrival time - 1st's starting time)

+ \_\_\_\_\_  
Sum of time taken by both

$$= 5 \text{ am} + \frac{(9.00 - 5.00) \times (10.00 - 5.00)}{(9.00 - 5.00) + (10.00 - 6.30)}$$

$$= 5 \text{ am} + \frac{4 \times 5}{7.5}$$

$$= 5 \text{ am} + 2 \frac{2}{3}$$

$$= 7.40 \text{ am}$$

58. (C) Part of the tank filled in 1 hr when there

$$\text{is no leak} = \frac{1}{8}$$

& Part of the tank filled in 1 hr (when leak

$$\text{appeared}) = \frac{1}{10}$$

Part of the tank emptied in 1 hour by the leak

$$= \frac{1}{8} - \frac{1}{10} = \frac{2}{80} = \frac{1}{40}$$

$\Rightarrow$  Leak takes 40 hours to empty the tank.

59. (A) Let  $x$  kg of rice is sold at 10% profit and  $(50 - x)$  kg at 5% loss.

ATQ,

$$110\% \text{ of } x + 95\% \text{ of } (50 - x) = 107\% \text{ of } 50$$

$$1.10x - 0.95x = 1.07 \times 50 - 0.95 \times 50$$

$$0.15x = 50[1.07 - 0.95]$$

$$x = \frac{50 \times 0.12}{0.15} = 40 \text{ kg}$$

$$60. (B) 8 \frac{1}{2} - \left[ 3 \frac{1}{4} \div \left\{ 1 \frac{1}{4} - \frac{1}{2} \left( 1 \frac{1}{2} - \frac{1}{3} - \frac{1}{6} \right) \right\} \right]$$

$$\Rightarrow \frac{17}{2} - \left[ \frac{13}{4} \div \left\{ \frac{5}{4} - \frac{1}{2} \left( \frac{3}{2} - \frac{1}{3} - \frac{1}{6} \right) \right\} \right]$$

$$\Rightarrow \frac{17}{2} - \left[ \frac{13}{4} \div \left\{ \frac{5}{4} - \frac{1}{2} \left( \frac{9-2-1}{6} \right) \right\} \right]$$

$$\Rightarrow \frac{17}{2} - \left[ \frac{13}{4} \div \left\{ \frac{5}{4} - \frac{1}{2} \times 1 \right\} \right]$$

$$\Rightarrow \frac{17}{2} - \left[ \frac{13}{4} \div \left\{ \frac{3}{4} \right\} \right]$$

$$\Rightarrow \frac{17}{2} - \left[ \frac{13}{4} \times \frac{4}{3} \right]$$

$$\Rightarrow \frac{17}{2} - \frac{13}{3} = \frac{51-26}{6} = \frac{25}{6} = 4 \frac{1}{6}$$

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

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



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