

HARYANA CONSTABLE MOCK TEST-68 (SOLUTION)

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

5. (A) Loss = 6 % and S.P. = ₹ 84.60
 $\Rightarrow ₹ 84.60 = (100 - 6)\%$
 $= 94 \%$
 So, ₹ 117 = $\frac{94\%}{84.60} \times 117$
 $= 130\%$
 \Rightarrow Required % Profit = 130% - 100%
 $= 30\%$

6. (D) Let the cost price = Rs. x .
 Marked price = 130% of $x = \frac{130x}{100}$
 $= \text{Rs. } \frac{13x}{10}$
 Discount = 10%
 SP = 90% of MP
 $= \frac{90}{100} \times \frac{13x}{10} = \text{Rs. } \frac{117x}{100}$
 Profit = SP - CP
 $= \frac{117x}{100} - x = \frac{17x}{100}$

$$\% \text{ Profit} = \frac{17x}{100} \times 100 = 17\%$$

12. (D) SP = ₹ 170, % loss = 15%

$$\text{CP} = \frac{\text{SP} \times 100}{100 - \% \text{ loss}}$$

$$= \frac{170 \times 100}{85} = ₹ 200$$

$$\text{SP at 20\% gain} = 200 \times \frac{(100 + 20)}{100}$$

$$= ₹ 240$$

13. (B) A = ₹ 92,610, P = ₹ 80,000
 $r = 10\% \text{ p.a.} = 5\% \text{ semi annually}$

$$A = P \left[1 + \frac{r}{100} \right]^n$$

$$92610 = 80000 \left[1 + \frac{5}{100} \right]^n$$

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$$\frac{92610}{80000} = \left(\frac{105}{100}\right)^n = \left(\frac{21}{20}\right)^n$$

$$\left(\frac{21}{20}\right)^3 = \left(\frac{21}{20}\right)^n \Rightarrow n = 3 \text{ half years}$$

$$= 1\frac{1}{2} \text{ yrs}$$

14. (D) Let the cost of 1 cow & 1 goat = ₹ x & ₹ y respectively.

Case I:

$$3x + 8y = 47200 \quad \dots(i)$$

Case II:

$$8x + 3y = 100200 \quad \dots(ii)$$

By cross multiplication,

$$\frac{x}{\begin{vmatrix} b_1 & c_1 \\ b_2 & c_2 \end{vmatrix}} = \frac{y}{\begin{vmatrix} c_1 & a_1 \\ c_2 & a_2 \end{vmatrix}} = \frac{-1}{\begin{vmatrix} a_1 & b_1 \\ a_2 & b_2 \end{vmatrix}}$$

$$\Rightarrow \frac{x}{\begin{vmatrix} 8 & 47200 \\ 3 & 100200 \end{vmatrix}} = \frac{y}{\begin{vmatrix} 47200 & 3 \\ 100200 & 8 \end{vmatrix}} = \frac{-1}{\begin{vmatrix} 3 & 8 \\ 8 & 3 \end{vmatrix}}$$

$$\frac{x}{801600 - 141600} = \frac{y}{377600 - 300600}$$

$$= \frac{-1}{9 - 64}$$

$$x = \frac{-1}{-55} \times 660000$$

$$= ₹ 12000 = \text{cost of one cow}$$

$$y = \frac{1}{55} \times 77000 = ₹ 1400$$

20. (B) Work completed by A in 1 day = $\frac{1}{18}$

$$\text{Work completed by B in 1 day} = \frac{1}{15}$$

Work completed by B in 10 days

$$= \frac{1}{15} \times 10 = \frac{2}{3} \text{ work}$$

$$\text{Work left} = 1 - \frac{2}{3} = \frac{1}{3} \text{ work}$$

1 work is completed by A in 18 days

$$\frac{1}{3} \text{ work is completed by A in } 18 \times \frac{1}{3}$$

$$= 6 \text{ days}$$

21. (A) $A = \frac{150}{100}C = \frac{3}{2}C$

$$B = \frac{125}{100}C = \frac{5}{4}C$$

$$A - B = \frac{3}{2}C - \frac{5}{4}C$$

$$= \frac{6C - 5C}{4} = \frac{C}{4}$$

% Larger of A as compared to B

$$= \frac{\frac{C}{4}}{\frac{5}{4}C} \times 100 = 20\%$$

28. (A) Let the three numbers be x , $2x$ & $3x$ respectively.

Then, $x + 5 : 2x + 5 : 3x + 5 = 2 : 3 : 4$

$$\Rightarrow \frac{x+5}{2x+5} = \frac{2}{3}$$

$$\Rightarrow 4x + 10 = 3x + 15 \Rightarrow x = 5$$

\therefore Three numbers are 5, 10, 15.

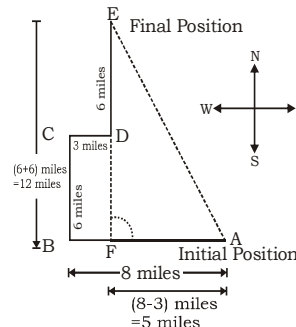
29. (D) Total sum of 50 numbers = 50×38
= 1900

When two numbers namely 45 & 55 discarded,

$$\text{verage} = \frac{1900 - 45 - 55}{48}$$

$$= \frac{1800}{48} = 37.5$$

30. (A)



The shortest distance between his initial and final position;

$$\text{i.e.; } AE = \sqrt{(AF)^2 + (EF)^2}$$

$$= \sqrt{(AB - FB)^2 + (ED + DF)^2}$$

$$= \sqrt{5^2 + 12^2}$$

$$= \sqrt{169}$$

$$= 13 \text{ miles}$$

35. (C) $\frac{a+b}{b+c} = \frac{2}{4} = \frac{1}{2} \Rightarrow 2a + 2b = b + c$

$$\Rightarrow b = c - 2a$$

$$\text{Also, } \frac{b+c}{c+a} = \frac{4}{3} \Rightarrow 3b + 3c = 4c + 4a$$

$$\Rightarrow c = 3b - 4a = 3(c - 2a) - 4a$$

$$\Rightarrow c = 3c - 10a \Rightarrow c = 5a \text{ and } b = 3a$$

$$\text{Now, } 2(a + b + c) = 9 \Rightarrow 2(a + 3a + 5a) = 9$$

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$$\Rightarrow a = 0.5, b = 3 \times 0.5 = 1.5 \text{ \& } c = 0.5 \times 5 = 2.5$$

36. (B) $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{2} \Rightarrow x + \frac{1}{x} = 4$

$$\therefore \left(x + \frac{1}{x}\right) + \left(x^2 + \frac{1}{x^2}\right) + \left(x^4 + \frac{1}{x^4}\right) = 4 + (4^2 - 2) + (14^2 - 2) = 4 + 14 + 194 = 212$$

43. (A) $\Rightarrow 5 + 3 \times 8 \div 12 - 4 = 3$

$$\Rightarrow 5 + 3 \times \frac{8}{12} - 4 = 3$$

$$\Rightarrow 5 + 2 - 4 = 3 \Rightarrow 7 - 4 = 3$$

$$\Rightarrow 3 = 3 \text{ (Correct)}$$

44. (D) B L U E \rightarrow E U B L
 $\downarrow \downarrow \downarrow \downarrow \quad \downarrow \downarrow \downarrow \downarrow$
 ①②③④ ④③①②

Similarly,

B U L B \rightarrow B L B U
 $\downarrow \downarrow \downarrow \downarrow \quad \downarrow \downarrow \downarrow \downarrow$
 ①②③④ ④③①②

50. (B) Let $x + y = 54$ ----- (i)
 $\frac{x - y = 12}{2x = 66}$ ----- (ii)

$$\therefore x = 33$$

from equation (i)

$$33 + y = 54$$

$$\therefore y = 54 - 33 = 21$$

Here $x = 33$ and $y = 21$. So, 33 is higher number

51. (C) Here, E = A, A = R, R = X, M = S, T = W, P = O, W = E and O = T

So,
 W A R M O T E
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
 E R X S T W A

57. (B)

58. (D) (A) X Z Y (B) M O N
 $\uparrow +2 \uparrow -1 \uparrow \quad \uparrow +2 \uparrow -1 \uparrow$

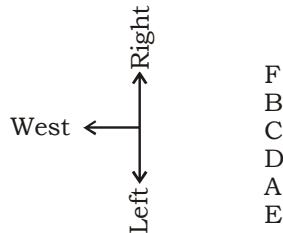
(C) P R O (D) E A C
 $\uparrow +2 \uparrow -1 \uparrow \quad \uparrow -4 \uparrow +2 \uparrow$

59. (C)

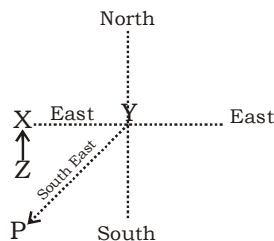
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| Pages | Books | Book rack | Catalogue |
| 1 | 4 | 2 | 5 |

$$\frac{\text{Library}}{3}$$

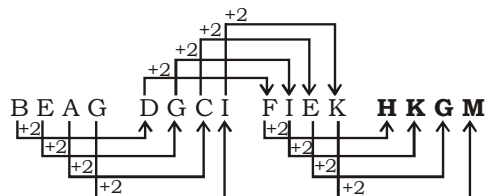
64. (B)



65. (D)



71. (D)



72. (C) $N > X > Y > M$

So, N is the most intelligent

79. (A) $(8 - 4) \div (4 - 2) = 2$ and

$$(9 - 0) \div (7 - 4) = 3$$

Similarly,

$$(9 - 1) \div (5 - 3) = 4$$

80. (D)

| | | | | | |
|---------------|---------------|---------------|---------------|---------------|------------|
| 1 | 2 | 4 | 7 | 11 | 16 |
| $\uparrow +1$ | $\uparrow +2$ | $\uparrow +3$ | $\uparrow +4$ | $\uparrow +5$ | \uparrow |

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