

HARYANA CONSTABLE MOCK TEST-64 (SOLUTION)

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

Explanation:

3. (C) Let $x = \sqrt{12 + \sqrt{12 + \sqrt{12 + \dots}}}$

Then, $x = \sqrt{12 + x}$

$\Rightarrow x^2 = 12 + x$

$\Rightarrow x^2 - x - 12 = 0$

$\Rightarrow x^2 - 4x + 3x - 12 = 0$

$\Rightarrow x(x - 4) + 3(x - 4) = 0$

$\Rightarrow (x + 3)(x - 4) = 0$

$\Rightarrow x = 4, -3$

4. (C) $\left(2 - \frac{1}{3}\right)\left(2 - \frac{3}{5}\right)\left(2 - \frac{5}{7}\right)\dots\left(2 - \frac{997}{999}\right)$

$= \frac{5}{3} \times \frac{7}{5} \times \frac{9}{7} \times \dots \times \left(\frac{1998 - 997}{999}\right)$

$= \frac{5}{3} \times \frac{7}{5} \times \frac{9}{7} \times \dots \times \frac{1001}{999}$

$= \frac{1001}{3}$

5. (A) $(0.0016)^{0.16} \times (0.0016)^{0.09}$

$= \{(0.2)^4\}^{0.16} \times \{(0.2)^4\}^{0.09}$

$= (0.2)^{4 \times 0.16} \times \{(0.2)^4\}^{0.09}$

$= (0.2)^{4 \times 0.16 + 4 \times 0.09}$

$= (0.2)^{4(0.16 + 0.09)}$

$= (0.2)^{4 \times 0.25}$

$= (0.2)^{1.00}$

$= 0.2$

16. (A)

68	
6	4750
+6	36
128	1150
+8	1024
136	126

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The smallest number 126 to be subtracted from 4750, we get a perfect square number

17. (A) Let the initial price of TV is x .

Then, 10% of $x = 1650$

$$x \times \frac{10}{100} = 1650$$

$$x = \frac{1650 \times 10}{10}$$

$$= ₹ 16,500$$

19. (C) Let annual incomes of A and B are ₹ $4x$ and ₹ $3x$ respectively and their annual expenses are ₹ $3y$ and ₹ $2y$.

ATQ,

$$4x - 3y = 60,000 \quad \dots (1)$$

$$3x - 2y = 60,000 \quad \dots (2)$$

Equation (1) divided by (2)

$$\frac{4x - 3y}{3x - 2y} = \frac{60000}{60000} = 1$$

$$\Rightarrow 4x - 3y = 3x - 2y$$

$$\Rightarrow 4x - 3x = -2y + 3y$$

$$\Rightarrow x = y$$

Put $x = y$ in equation (1)

$$4x - 3x = 60000$$

$$x = y = 60000$$

Annual income of A = $4x$

$$= 4 \times 60000$$

$$= ₹ 2,40,000$$

20. (B) $P = ₹ 20000$

$R = 10\%$ Yearly

Amount = ₹ 2420

$$\therefore \text{Amount} = \left(1 + \frac{R}{100}\right)^T$$

$$\Rightarrow 2420 = 2000 \left(1 + \frac{10}{100}\right)^T$$

$$\Rightarrow \frac{2420}{2000} = \left(\frac{110}{100}\right)^T$$

$$\Rightarrow \frac{242}{200} = \left(\frac{11}{10}\right)^T$$

$$\Rightarrow \left(\frac{11}{10}\right)^2 = \left(\frac{11}{10}\right)^T$$

$$\Rightarrow T = 2 \text{ Year}$$

$$21. (C) ₹ 81 \text{ lakh} = P \left(1 + \frac{10}{100}\right)^2$$

$$= P \left(\frac{90}{100}\right)^2$$

$$P = \frac{81 \times 10 \times 10}{9 \times 9} = 100 \text{ lakh}$$

Hence, Cost of property 2 years ago was ₹ 100 lakh.

30. (B) A single discount of two successive discounts of 10% and 20%

$$= \left(10 + 20 - \frac{10 \times 20}{100}\right)\%$$

$$= (30 - 2)\%$$

$$= 28\%$$

31. (B) Let number is K and remainder is x .

ATQ

$$K = 65 \times x + 43$$

$$\Rightarrow K = 13 \times 5x + 13 \times 3 + 4$$

$$= 13 [5x + 3] + 4$$

If it is divided by 13, the remainder will be 4.

41. (A) Let number be x .

ATQ,

$$x \times 7.2 - x \times 0.72 = 2592$$

$$\Rightarrow x [7.2 - 0.72] = 2592$$

$$\Rightarrow x \times 6.48 = 2592$$

$$\Rightarrow x = \frac{2592}{6.48} = 400$$

So original number = 400

52. (D) $7, 77, 777, 7777 \div 77$

$$= 1010101$$

59. (D)

	D,	S	H	E
	↓	↓	↓	↓
Place value →	4	+ 19	+ 8	+ 5 = 32

Similarly,

D	I	N	E	S	H
↓	↓	↓	↓	↓	↓
4	+ 9	+ 14	+ 5	+ 19	+ 8 = 59

62. (D) Ratio of working efficiencies of P and Q

$$= 3 : 4$$

So, the number of days to be taken by them = 4 : 3



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64. (B) ABCDEFGHIJKL(M)NOPQRSTUVWXYZ
12th from left 13th from right

65. (B) Total number of Competitors = 8 + 84 - 1 = 91

67. (B)

68. (B)

69. (C) C
A ↑
D ↑
B ↑ Fourth
E ↓

75. (B) $\frac{\text{TORONTO}}{2}$, $\frac{\text{TORPED}}{3}$, $\frac{\text{TORSEL}}{5}$,
 $\frac{\text{TORTOISE}}{1}$, $\frac{\text{TORUS}}{4}$

76. (A)

78. (B) 20 : 50 :: 100 : 250
 $2(20) + \frac{1}{2}(20)$ $2(100) + \frac{1}{2}(100)$

79. (D) 1763 1992 2221 2450 2679 2908
Common difference = 229

80. (B) ANTARCTICA

83. (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