

HARYANA SSC MOCK TEST - 50 (SOLUTION)

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

Explanation:

41. (D) Except option (D) all are the colours of rainbow.

42. (A) $\frac{3}{\times 2 + 1} \frac{7}{\times 2 + 1} \frac{15}{\times 2 + 1} \frac{31}{\times 2 + 1} \frac{63}{\times 2 + 1} \frac{127}{\times 2 + 1} \frac{255}{\times 2 + 1}$

43. (D) Photo is clicked on film. Similarly, photostate is done on paper.

44. (A)

Tool	Town	Trinity	Twist	Type
b	c	a	d	e

45. (B) $\frac{ncd}{dcn} / \frac{dcn}{ncd} / \frac{ncd}{dcn} / \frac{dcn}{ncd} / \frac{ncd}{dcn} / \frac{dcn}{ncd}$

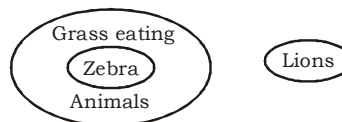
46. (D) $(0)^2 + (3)^2 + (1)^2 + (2)^2 = 0 + 9 + 1 + 4 = 14$
 $(3)^2 + (5)^2 + (2)^2 + (4)^2 = 9 + 25 + 4 + 16 = 54$
 $(3)^2 + (1)^2 + (6)^2 + (5)^2 = 9 + 1 + 36 + 25 = 71$

47. (B)

+ ⇒ ÷	- ⇒ ×
÷ ⇒ +	× ⇒ -

$63 \times 24 + 8 \div 4 + 2 - 3 = ?$
 or, $? = 63 - 24 \div 8 + 4 \div 2 \times 3$
 or, $? = 63 - 3 + 2 \times 3$
 or, $? = 63 - 3 + 6$
 or, $? = 66$

48. (A) Zebra is a grass eating animal but lion is carnivorous.



49. (A) The numbers 2, 4, 5 and 6 are on the adjacent faces of the number 3. Therefore, 1 lies opposite 3.

50. (B) Q N O M P

51. (C) $M_1 \times D_1 \times T_1 \times W_2 = M_2 \times D_2 \times T_2 \times W_1$
 $300 \times 24 = 200 \times x$

$$\frac{24 \times 300}{200} = x$$

$$x = 36$$

52. (B) Suppose C gets ₹ x then B gets ₹ $\frac{x}{8}$ and A

$$\text{gets ₹} = \left(\frac{2}{3} \times \frac{x}{8} \right) = \left(\frac{x}{12} \right)$$

$$\therefore \frac{x}{12} + \frac{x}{8} + x = 12240$$

$$8x + 12x + 96x = 12240 \times 96$$

$$116x = 12240 \times 96$$

$$x = \frac{12240 \times 96}{116}$$

$$x = 10130 \text{ (approx)}$$

$$53. (C) \frac{8x^2 - 6y^2}{4x^2 + 10y^2} = \frac{24}{38}$$

$$= 38(8x^2 - 6y^2) = 24(4x^2 + 10y^2)$$

$$304x^2 - 228y^2 = 96x^2 + 240y^2$$

$$304x^2 - 96x^2 = 240y^2 + 228y^2$$

$$208x^2 = 468y^2$$

$$\frac{x^2}{y^2} = \frac{468}{208} = \frac{9}{4}$$

$$\frac{x}{y} = \frac{3}{2}$$

$$x : y = 3 : 2$$

54. (A) Let the price of watch be = ₹ x

$$\text{So, } 1.6x = \frac{x}{3} + 38$$

$$4.8x - x = 3 \times 38$$

$$3.8x = 3 \times 38$$

$$x = \frac{3 \times 38}{3.8}$$

Price of water = ₹ 30

55. (D) Let the number of wickets taken before the last match = x
Then,

$$\frac{12.4x + 36}{x + 6} = 12$$

$$12.4x + 36 = 12x + 72$$

$$0.4x = 36$$

$$x = \frac{360}{4}$$

$$x = 90$$

56. (C) Filling $\frac{1}{3}$ part of a tank, quantity of water = 60 l

∴ Full capacity of tank, quantity of water = 60 × 3 = 180 l

So, When tank is half filled quantity of

$$\text{water} = \frac{180}{2} = 90 \text{ l}$$

57. (A) Let the number of boys and girls be 6x and 8x respectively.

According to question,

$$\frac{6x + 200}{8x} = \frac{7}{8}$$

$$6x + 200 = 7x$$

$$7x - 6x = 200$$

$$x = 200$$

Number of girls = 8 × 200 = 1600

58. (C) **Formula:-**

$$\text{True Discount} = \frac{\text{Present Worth} \times \text{Rate} \times \text{Time}}{100}$$

$$\text{Sum due} = \text{Present Worth} + \text{True Discount}$$

$$\text{PW} = \frac{260 \times 100}{12 \times \frac{8}{12}} = ₹ 3250$$

$$\text{Sum due} = 3250 + 260$$

$$= ₹ 3510$$

59. (C) The average of 6 quantities is 10.
Therefore, the sum of all 6 quantities is 60.

The average of 4 of them is 8.

Therefore the sum of 4 quantities = 32

Therefore, the sum of the

remaining two quantities = (60 - 32) = 28

Hence the sum average of the 2 quantities

$$= \frac{28}{2} = 14$$

60. (C) Let the C.P. ₹ 25x

Then S.P. = ₹ 26x

$$\text{Gain percentage} = \left(\frac{x}{25x} \times 100 \right) \%$$

$$= 4\%$$