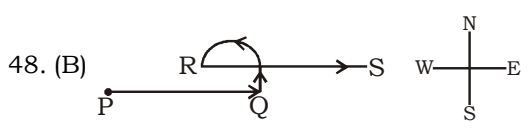


HARYANA SSC MOCK TEST - 41 (SOLUTION)

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

Explanation:

41. (B) All except 'Watermelon' grow on trees, while watermelon grows on creepers.
42. (C) 21 30 38 **45** 51 56 60
 $\lfloor +9 \uparrow \lfloor +8 \uparrow \lfloor +7 \uparrow \lfloor +6 \uparrow \lfloor +5 \uparrow \lfloor +4 \uparrow$
43. (C) Philatelist collects stamps. Similarly, Numismatist collects coins.
44. (B) T Y P E W R I T E R
 $\uparrow \uparrow \uparrow \uparrow \uparrow \uparrow \uparrow \uparrow \uparrow \uparrow$
 G B K V D I R G V I
 They are opposite to each other
 Similarly,
 S T E N O
 $\uparrow \uparrow \uparrow \uparrow \uparrow$
 H G V M L
45. (D) We know that All Fathers are male but some children are male and some are not male.
46. (A) abcd d abcd d abcd d abc
47. (B) TERMINAL



- Finally river is flowing towards east.
49. (D) Given $A + B = 2C$ (i)
 $C + D = 2A$(ii)
 Adding (i) and (ii)
 $A + B + C + D = 2(A + C)$
 $A + B + C + D - 2A - 2C = 0$
 $- A + B - C + D = 0$
 $A + C = B + D$
50. (C) Short cut method :
 No. of shake hands by 'n' people
 $= \frac{n(n-1)}{2} = \frac{20(20-1)}{2} = 190$
51. (A) CP of 1000 g of Tea
 $= 18 \times 7 + 13 \times 3$
 $= ₹ (126 + 39)$
 $= ₹ 165$
 CP of 100 g = ₹ 16.5

$$\begin{aligned} \text{SP of 100 g} &= ₹ 18.15 \\ \text{Profit} &= ₹ (18.15 - 16.5) \\ &= ₹ 1.65 \end{aligned}$$

$$\begin{aligned} \% \text{ gain} &= \frac{1.65}{16.5} \times 100 \\ &= 10\% \end{aligned}$$

$$\begin{aligned} 52. \text{ (D) CP of the article} &= ₹ \frac{8750 \times 100}{125} \\ &= ₹ 7000 \end{aligned}$$

Let the label price be ₹ x .
Then, 70% of $x = 7000$
 $\Rightarrow x = ₹ 10000$

53. (B) Let the two parts of 50 be x and $50 - x$.
ATQ,

$$\begin{aligned} \frac{1}{x} + \frac{1}{50-x} &= \frac{1}{12} \\ \Rightarrow \frac{50-x+x}{50x-x^2} &= \frac{1}{12} \\ \Rightarrow 50x-x^2 &= 600 \\ \Rightarrow x^2-50x+600 &= 0 \\ \Rightarrow (x-30)(x-20) &= 0 \\ \therefore x &= 30, 20 \end{aligned}$$

54. (B) Let the principal be ₹ P .
Then,

$$\begin{aligned} 2916 &= P \left[1 + \frac{8}{100} \right]^2 \\ &= P \left[\frac{27}{25} \right]^2 \\ P &= \frac{2916 \times 25 \times 25}{27 \times 27} = ₹ 2500 \\ \text{SI} &= \frac{2500 \times 9 \times 3}{100} = ₹ 675 \end{aligned}$$

55. (D) Let the number be x .

Then,
 $31 + x = 75 - x$
 $\Rightarrow x = 22$

Required no. = $31 + 22 = 53$

56. (A) $228 - 18 = 210 = 70 \times 3$

\therefore Largest two digits no. which is a factor of 210 = 70

57. (C) Let 115 be one of the numbers between 100 and 1000.

Then,
According to question,
 $115 - (1 + 1 + 5)$
 $= 115 - 7 = 108$
which is divisible by 9.

58. (C) $\sqrt[3]{2} = \sqrt[3]{2^3} = \sqrt[3]{8}$

$$\sqrt{3} = \sqrt[2]{3^2} = \sqrt[2]{9}$$

$\Rightarrow \sqrt{3}$ is greater.

59. (B) Required number =

$$\begin{aligned} &(\text{L.C.M. of } 12, 15, 20, 54) + 8 \\ &= 540 + 8 \\ &= 548 \end{aligned}$$

60. (C) Let the third number be x .

Then, first number = 120% of x

$$= \frac{120x}{100} = \frac{6x}{5}$$

Second number = 150% of x

$$= \frac{150x}{100} = \frac{3x}{2}$$

$$\begin{aligned} \text{Ratio of first two numbers} &= \frac{6x}{5} : \frac{3x}{2} \\ &= 12x : 15x = 4 : 5 \end{aligned}$$

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