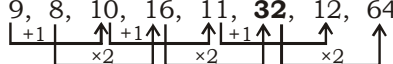


HARYANA SSC MOCK TEST - 44 (SOLUTION)

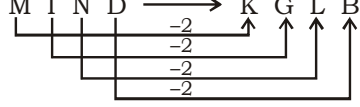
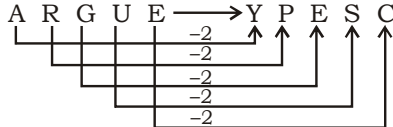
- | | | | |
|---------|---------|---------|----------|
| 1. (B) | 26. (A) | 51. (B) | 76. (C) |
| 2. (B) | 27. (C) | 52. (C) | 77. (C) |
| 3. (C) | 28. (A) | 53. (A) | 78. (C) |
| 4. (D) | 29. (C) | 54. (C) | 79. (B) |
| 5. (C) | 30. (D) | 55. (B) | 80. (C) |
| 6. (B) | 31. (C) | 56. (B) | 81. (D) |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

Explanation:

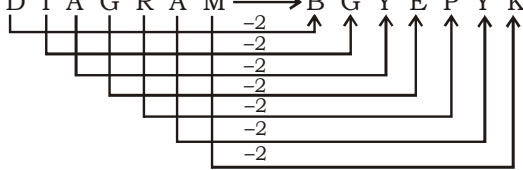
41. (B) Flower is a part of Plant, Eye is a part of Face and Stem is a part of Tree. But Chair and Sofa are different types of furniture

42. (D) 9, 8, 10, 16, 11, **32**, 12, 64


43. (A) $(6)^3 + 6 = 222$
 Similarly,
 $(7)^3 + 7 = 350$

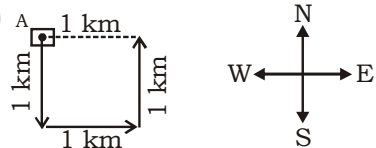
44. (B) M I N D → K G L B

 A R G U E → Y P E S C


Similarly,

D I A G R A M → B G Y E P Y K


45. (B) 

46. (C) **baab**/ba**a**b/ba**a**b/**b**aab
 47. (B) TOXIC

48. (C) 

It is clear from the diagram that Mohan is facing towards North.

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49. (A) B is the son of C and grandson of A.
E is sister of B.

Therefore, A is the grandfather of E.

50. (D) $2 + 6 \div 6 + 2$
 $2 + 1 + 2 = 5$

51. (B) $\frac{1}{5} + 999 \frac{494}{495} \times 99$

$= \frac{1}{5} + \frac{494999}{495} \times 99$

$= \frac{1}{5} + \frac{494999}{5}$

$= \frac{1 + 494999}{5}$

52. (C) LCM of 5, 9, 13 = 585

$\frac{3}{5} = \frac{3 \times 9 \times 13}{5 \times 9 \times 13} = \frac{351}{585}$

$\frac{7}{9} = \frac{7 \times 5 \times 13}{9 \times 5 \times 13} = \frac{455}{585}$

$\frac{11}{13} = \frac{11 \times 5 \times 9}{13 \times 9 \times 5} = \frac{495}{585}$

$\therefore \frac{495}{585} > \frac{455}{585} > \frac{351}{585}$

$\Rightarrow \frac{11}{13} > \frac{7}{9} > \frac{3}{5}$

53. (A) Let the speed of the current be x km/h.

ATQ, $\frac{x}{6-x} = 3$

$\Rightarrow 18 - 3x = 6$

$\therefore x = 4$ km/h

$= \frac{4945000}{5} = 99000$

54. (C) Let the speed of each train = x km/h

Relative speed = $(x + x)$ km/h
 $= 2x$ km/h

Total time = $\frac{\text{Total length of the trains}}{\text{Relative speed}}$

$\frac{12}{3600} = \frac{240}{\frac{1000}{2x}} \Rightarrow \frac{1}{300} = \frac{120}{1000x}$

$\Rightarrow x = \frac{120 \times 300}{1000} = 36$ km/h

55. (B) Ratio of values of 50 paise, 25 paise and 10 paise coins.

$= \frac{2}{2} : \frac{3}{4} : \frac{5}{10} = 1 : \frac{3}{4} : \frac{1}{2} = 4 : 3 : 2$

Value of 25 paise coins

$= \frac{3}{4+3+2} \times 90 = \frac{3}{9} \times 90 = ₹ 30$

No. of 25 paise coins = $30 \times 4 = 120$

56. (B) $\because x * y = x^2 + y^2 - xy$
 $\therefore 9 \times 11 = 9^2 + 11^2 - 9 \times 11$
 $= 81 + 121 - 99$
 $= 103$

57. (B) Let the two numbers be x and $1660 + x$.

ATQ, $6\frac{1}{2}\%$ of $(1660 + x) = 8\frac{1}{2}\%$ of x

$\Rightarrow \frac{13}{200} \times (1660 + x) = \frac{17}{200} \times x$

$\Rightarrow 1660 \times 13 = 17x - 13x$

$\Rightarrow \frac{1660 \times 13}{4} = x$

$\therefore 5395 = x$

58. (B) $\because \frac{p}{q} = \frac{r}{s} = \frac{t}{u} = k$ (given)

Now,

$\frac{mp + nr + ot}{mq + ns + ou} = \frac{m \times kq + n \times ks + o \times ku}{mq + ns + ou}$

$= \frac{k[mq + ns + ou]}{mq + ns + ou} = k$

59. (D) Let the price of the article be ₹ 100.

Raised price = ₹ 130

Price of the article after two successive discounts of 10% each
 $= 90\%$ of 90% of 130

$= \frac{90}{100} \times \frac{90}{100} \times 130 = ₹ 105.3$

% increase in price = $(105.3 - 100)\%$
 $= 5.3\%$

60. (B) Let the two numbers be x & y .

Then, $x + y = 42$ and $xy = 437$

Now, $(x - y)^2 = (x + y)^2 - 4xy$
 $= (42)^2 - 4 \times 437$
 $= 1764 - 1748$

$(x - y)^2 = 16$

$x - y = \sqrt{16}$

$|x - y| = 4$

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