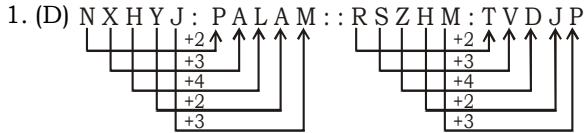


HARYANA SSC MOCK TEST-24 (Solutions)

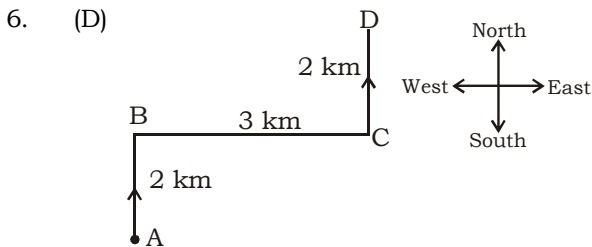


2. (C) For Future actions or happenings forecast is used. Like this Regret is used for past actions.

3. (D) Hostel, hotel and motel are places of staying, but club is a place of recreation or entertainment.

4. (D) Pineapple, Orange and Lemon are juicy fruits. But Banana is not a juicy fruit.

5. (B) 3 4 5 6 and 1 5 5 2 6
 $\downarrow \downarrow \downarrow \downarrow \quad \downarrow \downarrow \downarrow \downarrow$
 R O P E A P P L E
 Similarly,
 5 4 6 1 3
 $\downarrow \downarrow \downarrow \downarrow \downarrow$
 P O E A R



Hence, Now he is walking towards North.

7. (B) $39 \times 23 \div 21 \times 5$

After changing the sign

$$\Rightarrow 39 + 23 - 21 + 5 = 67 - 21 = \mathbf{46}$$

8. (A)

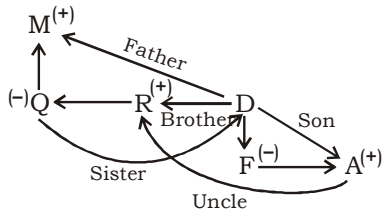
9. (C) 5 4 7 20 79 394
 $\times 1-1 \quad \times 2-1 \quad \times 3-1 \quad \times 4-1 \quad \times 5-1$

10. (B) $20 = 6 + 4 + 8 + 2$

$$26 = 7 + 9 + 8 + 2$$

$$\mathbf{25} = 6 + 5 + 12 + 2$$

11. (B)



12. (B)

13. (B) By starting from the number at the uppermost position,

$$7 \downarrow 7 \times 2 + 2 \downarrow 16$$

$$16 \downarrow 16 \times 2 + 2 \downarrow 34$$

$$34 \downarrow 34 \times 2 + 2 \downarrow \mathbf{70}$$

$$70 \downarrow 70 \times 2 + 2 \downarrow 142$$

$$142 \downarrow 142 \times 2 + 2 \downarrow 286$$

14. (C) RENT

15. (B)

16. (A) Unit place of $81 \times 82 \times 83 \times \dots \times 89$

$$= \text{Unit place of } 1 \times 2 \times 3 \times \dots \times 9$$

$$= \text{Unit place of } 362880 = 0$$

17. (B) If $\sqrt{2} = 1.4142$

$$\text{then, } \frac{1}{2} \left(\frac{\sqrt{2}-1}{\sqrt{2}+1} \right) = \frac{1}{2} \left(\frac{0.4142}{2.4142} \right)$$

$$= \frac{0.2071}{2.4142} = \frac{2071}{24142}$$

$$= 0.08578 \approx 0.086$$

18. (B) Let A, B and C are 1st, 2nd and 3rd numbers respectively.

ATQ,

$$A : B : C = 120 : 90 : 100$$

$$\text{Now, } (120 - 90) \rightarrow 180$$

$$120 \rightarrow \frac{180}{30} \times 120 = 720$$

19. (B) Diagonal of square = $\sqrt{2} \times \text{side}$

$$\therefore \text{Side of square} = \frac{a+b}{\sqrt{2}}$$

$$\therefore \text{Area of square} = \frac{a+b}{\sqrt{2}} \times \frac{a+b}{\sqrt{2}}$$

$$= \frac{1}{2} (a+b)^2$$

20. (C) \therefore All numbers between 200 and 400 which is divisible by 7 is 203, 204,, 392, 399.

$$\therefore \text{required sum} = \frac{29}{2} \times (203 + 399)$$

$$= \frac{29}{2} \times 602 = 8729$$

21. (D) Let CP = ₹ x.

$$SP = x + \frac{x}{4} = \frac{5x}{4}$$

$$CP = x + \frac{x}{5} = \frac{6x}{5}$$

$$SP = \frac{5x}{4} + 10$$

$$\therefore \text{Profit \%} = \frac{\frac{5x}{4} + 10 - \frac{6x}{5}}{\frac{6x}{5}} \times 100$$

$$\Rightarrow \frac{15}{2} \% = \frac{\frac{5x}{4} + 10 - \frac{6x}{5}}{\frac{6x}{5}} \times 100$$

$$\therefore x = ₹ 250$$

22. (C) Let 81 is divided by in the ratio of A : B : C

$$\therefore A : B : C = \frac{1}{3} : \frac{1}{6} : \frac{1}{7}$$

$$= 14 : 7 : 6$$

$$\text{Hence, 1st part} = \frac{14}{(14+7+6)} \times 81 = 42$$

23. (A) LCM of $\frac{2}{5}$, $\frac{3}{10}$ & $\frac{4}{15} = \frac{\text{LCM of } 2, 3 \text{ \& } 4}{\text{HCF of } 5, 10, 15}$

$$= \frac{12}{5} = 2\frac{2}{5}$$

24. (A) Original volume = $\frac{4}{3} \pi r^3$

When radius is double, then

$$\text{volume} = \frac{4}{3} \pi 8r^3 = \left(\frac{4}{3} \pi r^3 \right) \times 8$$

Therefore, volume becomes 8 times

25. (C) Diagonal of rectangle = 10 cm

One side of rectangle = 5 cm

$$\text{Now, } D^2 = B^2 + P^2$$

$$10^2 = B^2 + 5^2$$

$$B^2 = 100 - 25$$

$$B = \sqrt{75} \text{ cm}$$

$$\text{Area of rectangle} = l \times b$$

$$= 5 \times \sqrt{75} = 5 \times 5\sqrt{3} = 25\sqrt{3} \text{ cm}^2$$

26. (D) Let work is completed in x day.

$$\text{ATQ, } \frac{x}{24} + \frac{x}{30} + \frac{x-4}{40} = 1$$

$$\Rightarrow \frac{5x + 4x + 3x - 12}{120} = 1$$

$$\Rightarrow 12x = 120 + 12 \Rightarrow x = 11 \text{ days.}$$

27. (D) Let the rate of interest per annum = $R\%$

$$\therefore 2P = \frac{P \times R \times 30}{100} \Rightarrow \frac{20}{3} \% = 6\frac{2}{3} \%$$

28. (C) Let the numbers x and y .

$$\therefore x + y = 36 \quad \dots\dots(1)$$

$$\text{and } xy = 3 \times 105 = 315 \quad \dots\dots(2)$$

$$\therefore \frac{1}{x} + \frac{1}{y} = \frac{36}{315} = \frac{4}{35}$$

29. (D) Let the total number of studens in a class are x , then

ATQ,

$$\therefore x = \frac{2}{10}x + \frac{3}{5}x + 15 + 5$$

$$\Rightarrow x - \frac{4}{5}x = 20$$

$$\Rightarrow \frac{1}{5}x = 20$$

$$\therefore x = 5 \times 20 = 100$$

30. (D) Speed of first bus = $\frac{300 \times 2}{15}$ km/hr

$$\text{Speed of second bus} = \frac{450}{10} \text{ km/hr}$$

\therefore Required ratio of average speed

$$= \frac{300 \times 2}{15} : \frac{450}{10} = \frac{8}{9} = 8 : 9$$



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HARYANA SSC MOCK TEST - 24 (ANSWER KEY)

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

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