
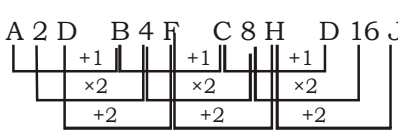
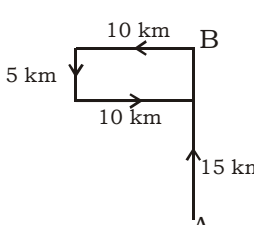


HARYANA SSC MOCK TEST-4 (Solutions)

1. (B) Given letters, AIPR = PAIR
2. (A) Words in pairs are opposite to each other.
3. (A)
4. (A) $24 \times 6 - 3 \div 4 + 7 = ?$
 $? = 24 \div 6 \times 3 + 4 - 7$
 [after changing the sign]
 $? = 4 \times 3 + 4 - 7$
 $? = 12 + 4 - 7$
 $? = 16 - 7 = 9$
5. (C) All except Oil are products obtained from milk.
6. (D)
7. (A) Rasagulla is one of the sweets while apple is different from these.
8. (A) 
 I. True
 II. False
9. (C) 
10. (C) 
 Therefore, it is clear that he is in the North from his house.
11. (C) $\therefore 24 \text{ hours} \Rightarrow 15 \text{ minutes}$
 $\therefore 16 \text{ hours} \Rightarrow \frac{15}{24} \times 16 = 10 \text{ minutes}$
 \therefore Required time = 4:10 am
12. (C) $a \boxed{b} c b \boxed{c} / \boxed{a} b c \boxed{b} c / a b c b \boxed{c}$
13. (B) All the letters of the word TITAN are present in the word REPUTATION.
14. (C) The correct order is :

<u>Population</u>	<u>Unemployment</u>	<u>Poverty</u>
2	4	1
<u>Disease</u>	<u>Death</u>	
5	3	
15. (A) Rank from the below :
 For Radha, $37 - 10 + 1 = 28\text{th}$ and
 For Saroj, $37 - 16 + 1 = 22\text{nd}$
16. (*)
17. (D) Let the remainder be x .
 Required number
 $= \text{HCF of } (98 - x), (120 - x) \text{ and } (153 - x) = 11$
18. (C) Suppose the age of my sister is x years.
 According to question,
 $2x - 2 = 16$
 $\Rightarrow 2x = 18 \therefore x = 9 \text{ years}$
19. (B) $SI = \frac{PRT}{100}$
 $= \frac{500 \times 2 \times 2 \times 5}{2 \times 100} = ₹ 50$
20. (A) Normal time taken to cover 5 km at the speed of 10 kmph = 30 minutes
 He took rest for $4 \times 5 = 20$ minutes
 \therefore Total time = 30 + 20 minutes
 $= 50$ minutes
21. (B) Let the number of boys be x and number of girls be y .
 $\therefore x \times \frac{10}{100} = y \times \frac{1}{4}$
 $\Rightarrow \frac{x}{y} = \frac{10}{4} = \frac{5}{2} = 5 : 2$
22. (D) $M_1 D_1 = M_2 D_2$
 $\Rightarrow 10 \times 8 = M_2 \times \frac{1}{2}$
 $\Rightarrow M_2 = 160$
23. (B) Total parts = $\frac{1}{4} + \frac{1}{2} + \frac{1}{5}$
 $= \frac{5 + 10 + 4}{20} = \frac{19}{20}$
24. (B) Discount = $6000 - 5500 = ₹ 500$
 \therefore Rate % = $\frac{500 \times 100}{6000} = \frac{25}{3} \% = 8 \frac{1}{3} \%$
25. (A) C.I. = $P \left[\left(1 + \frac{R}{100} \right)^T - 1 \right]$

$$\Rightarrow 410 = P \left[\left(1 + \frac{5}{100} \right)^2 - 1 \right]$$

$$\Rightarrow 410 = P \times \frac{41}{400}$$

$$\Rightarrow P = \frac{410 \times 400}{41} = ₹ 4000$$

26. (C) (P + Q)'s present age
= 30 + 10 = 40 years
R's present age = 20 × 3 - 40 = 20 years
∴ R's age after 10 years = 20 + 10 = 30 years.
27. (D) Sonu : Vijay = 4 : 5 = 20 : 25
Sonu : Subodh = 5 : 6 = 20 : 24
∴ Sonu : Vijay : Subodh = 20 : 25 : 24
Sum of ratios = 20 + 25 + 24 = 69
Clearly, Vijay's age = 25 years
28. (B) Volume of the cuboid
= 27 × 8 × 1 = 216 cm³
∴ Volume of the cube = 216 cm³

$$\therefore \text{Edge of the cube} = \sqrt[3]{216} = 6 \text{ cm}$$

$$\begin{aligned} \text{Total surface area of the cuboid} &= 2 \times (27 \times 8 + 8 \times 1 + 27 \times 1) \\ &= 2(216 + 8 + 27) \\ &= (2 \times 251) \text{ cm}^2 = 502 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \text{Total surface area of the cube} &= 6 \times 6 \times 6 = 216 \text{ cm}^2 \end{aligned}$$

$$\text{Required difference} = (502 - 216) = 286 \text{ cm}^2$$

29. (D) When both the taps are opened together,
part of the tank filled in 1 minute

$$= \frac{1}{25} - \frac{1}{50} = \frac{2-1}{50} = \frac{1}{50}$$

Hence the tank will be filled in 50 minutes.

30. (C) Ratio of the equivalent capitals of A and
B for 1 month
= 3x × 2t : x × t = 6 : 1
B's share = ₹ 4000

$$\Rightarrow \frac{1}{7} \times \text{Total profit} = ₹ 4000$$

$$\Rightarrow \text{Total profit} = (7 \times 4000) = ₹ 28000$$



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HARYANA SSC MOCK TEST - 4 (ANSWER KEY)

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