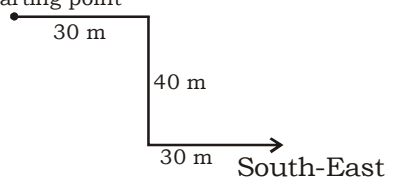
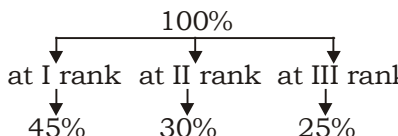


HARYANA SSC MOCK TEST-2 (Solutions)

1. (D) Each letter of GROWTH is coded one step ahead and one step back alternatively in the alphabetical series. And the same rule is applied for FOUR. Hence 'PROBLEMS' would be coded as 'QQPAMDNR'.
2. (C) Starting point

3. (B) Each group except (B) follows the following rule.
4. (A) The given series when written in the reverse order becomes:
 13, 11, 5, 0, 1, 2, 6, 4, 8, 3, 0, 7, 9, 3, 7
 The 7th number from the left is 6. The 4th number to the right of 6 is 0.
5. (D) N # A \$ B * D means N is the mother of A, who is the father of B, who is the sister of D. Thus, D is the son or daughter of A and N is the mother of A. So, D is the grandson or grand daughter of N.
6. (C) Similarly, PLATE will be coded as QKBSF.
7. (B) $21 \div 7 = 3$
 Similarly, $574 \div 7 = 82$
8. (D) $14W16R4V3P5$
 $= 14 + 16 \div 4 - 3 \times 5$
 $= 14 + 4 - 15$
 $= 3$
9. (B)
10. (A) $(5 + 4 + 7) \div 2 = 8$
 $(6 + 9 + 5) \div 2 = 10$
 Similarly,
 $(3 + 7 + 2) \div 2 = 6$
11. (C)
12. (B)
13. (A) Manish
 ↑
 Priyanka
 ↑
 Pushpa
 ↑
 Rama
 ↑
 Namita
14. (A)
15. (D) Except (D). All others run on electricity.
16. (B) Required number
 $= \text{LCM of } 18, 21, 24, 27$
 $= 3 \times 3 \times 7 \times 4 \times 3 \times 2$
 $= 1512$
17. (A) Ratio of A's and B's income = 5 : 3
 \Rightarrow Let their incomes are ₹ $5x$ and ₹ $3x$ respectively
 \Rightarrow Their expenditure = ₹ $(5x - 1300)$ and ₹ $(3x - 900)$
 $\Rightarrow (5x - 1300) : (3x - 900) = 9 : 5$
 $\Rightarrow (3x - 900) \times 9 = (5x - 1300) \times 5$
 $\Rightarrow 27x - 25x = 8100 - 6500$
 $\Rightarrow 2x = 1600 \Rightarrow x = 800$
 \Rightarrow A's annual income = $5x \times 12$
 $= 5 \times 800 \times 12 = ₹ 48000$
18. (A) Shyam's income % less than Ram's

$$\text{income} = \frac{100 \times 20}{120} = 16\frac{2}{3}\%$$
19. (D)

- Difference between Ist and IInd rankers
 $= 45\% - 30\% = 15\%$
 $\Rightarrow 15\% \text{ of total votes} = 4500$
 $\Rightarrow \frac{15}{100} \times \text{total votes} = 4500$
 $\Rightarrow \text{total votes} = \frac{4500 \times 100}{15} = 30000$
20. (A) Let the C.P. of first house is ₹ x
 \Rightarrow The C.P. of second house = ₹ $2x$
 And the C.P. of third house = $2 \times 2x = ₹ 4x$
 \Rightarrow S.P. of first and second house
 $= (x + 2x) \times \frac{120}{100} = \frac{3x \times 6}{5} = ₹ \frac{18x}{5}$
 And total C.P. of 3 house = $x + 2x + 4x$
 $= \text{Rs. } 7x$
 $\Rightarrow \text{Total Profit} = \text{S.P.} - \text{C.P.} = \frac{36x}{5} - 7x$
 $= ₹ \frac{x}{5}$

$$\Rightarrow \text{Percent Profit} = \frac{\frac{x}{5} \times 100}{7x} = \frac{x}{5} \times \frac{100}{7x}$$

$$= 2.85\%$$

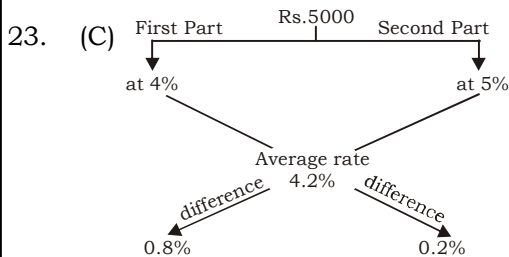
\Rightarrow A man has got a profit less than 3%

21. (A) $200 \times \frac{80}{100} \times \frac{(100 - x)}{100} = 96$

$$\Rightarrow (100 - x) = \frac{96 \times 10}{2 \times 8} = 60$$

$$\Rightarrow 100 - x = 60 \Rightarrow x = 100 - 60 = 40\%$$

22. (B) Rate of interest = $\frac{(3-2) \times 100}{2 \times 5} = 10\%$ p.a



$$\Rightarrow \text{ratio between two parts} = 0.8\% : 0.2\%$$

$$= 8 : 2 = 4 : 1$$

$$\Rightarrow \text{sum of ratio terms} = 4 + 1 = 5$$

$$\Rightarrow \text{money lent at 4\%} = 5000 \times \frac{4}{5} = ₹ 4000$$

24. (D) Principal (sum of money)

$$= 15.25 \times \left(\frac{100}{5}\right)^2 \left(\frac{100}{300+5}\right)$$

$$= 15.25 \times (20)^2 \times \frac{100}{305}$$

$$= 15.25 \times 400 \times \frac{100}{305} = ₹ 2000$$

25. (C) Let 1 man's 1 day's wage is ₹ x and 1 women's 1 day's wage is ₹ y

$$\Rightarrow (5 \text{ men} + 3 \text{ women})\text{'s 1 day's wage} = 5x + 3y \dots\dots\dots (i)$$

$$\Rightarrow (5x + 3y) \times 4 = 580 \Rightarrow 5x + 3y = 145$$

$$(2 \text{ men} + 5 \text{ women})\text{'s 1 day's wage} = 2x + 5y$$

$$= 2x + 5y$$

$$\Rightarrow (2x + 5y) \times 6 = 690 \Rightarrow 2x + 5y = 115 \dots (ii)$$

By equation (i) $\times 5$ and equation (ii) $\times 3$ we get $25x + 15y = 725 \dots\dots\dots (iii)$

$$6x + 15y = 345 \dots\dots\dots (iv)$$

Equation (iii) - Equation (iv)

$$\Rightarrow 19x = 380 \Rightarrow x = 20$$

$$\Rightarrow 1 \text{ man's 1 day's wage} = x = ₹ 20$$

26. (A) Filled part 135 liter water = $\frac{1}{4}$

$$\Rightarrow \text{Filled part by 1 liter water} = \frac{1}{4 \times 135}$$

$$\Rightarrow \text{Filled part by 180 liter water} = \frac{1 \times 180}{4 \times 135} = \frac{1}{3}$$

27. (*) The speed of the train = $\frac{\text{distance}}{\text{time}}$

$$= \frac{10}{2} \text{ km/hr} = \frac{10 \times 60}{2} = 300 \text{ km/hr}$$

$$\Rightarrow \text{Decreased speed} = 300 - 5 = 295 \text{ km/hr}$$

$$\Rightarrow \text{Time taken at rate of 295 km/hr} = \frac{10}{295} \text{ hr}$$

$$= \frac{10}{295} \times 60 \text{ minutes}$$

$$= \frac{600}{295} \text{ minutes} \approx 2 \text{ minutes } 4 \text{ seconds}$$

28. (A) Rate of current $\times (2 + 1) =$ swimmer's speed in still water $\times (2 - 1)$

$$\Rightarrow 2 \times 3 = \text{swimmer's speed} \times 1$$

$$\Rightarrow \text{Swimmer's speed in still water} = 6 \text{ km/hr}$$

29. (C) Sum of 20 numbers = $25 \times 20 = 500$

$$\text{The new sum} = 500 - 20 \times 4 = 500 - 80 = 420$$

$$\Rightarrow \text{The new mean} = \frac{420}{20} = 21$$

30. (D) The total run of 40 innings

$$= 50 \times 40 = 2000$$

Let the lowest and highest score are x and $x + 172$

$$\text{The total run of 38 innings} = 48 \times 38 = 1824$$

$$\Rightarrow x + x + 172 + 1824 = 2000$$

$$\Rightarrow 2x = 2000 - 1996 = 4 \Rightarrow x = 2$$



2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

HARYANA SSC MOCK TEST-2 (ANSWER KEY)

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