# HSSC MOCK TEST – 123 (SOLUTION)

61. (C) As, $Z \xrightarrow{-8} R \xrightarrow{+7} Y \xrightarrow{-8} Q$

$K \xrightarrow{-8} C \xrightarrow{+7} J \xrightarrow{-8} B$

Similarly, $P \xrightarrow{+7} W \xrightarrow{-8} O \xrightarrow{+7} V$

$E \xrightarrow{+7} L \xrightarrow{-8} D \xrightarrow{+7} K$
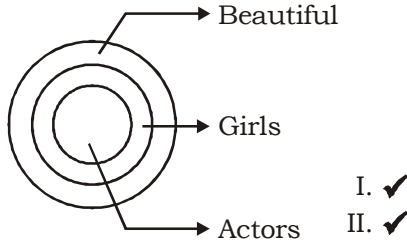
62. (C) As, $68 = (4)^3 + 4$

$130 = (5)^3 + 5$

and $350 = (7)^3 + 7$

Therefore, $? = (6)^3 + 6 = 222$

63. (C) All except New York are capital cities.

64. (D)



I. ✔
II. ✔

Both I and II follows.

65. (B)



All the thieves are criminals while judge is different from these.

66. (D) Q $ R → Q is the father of R

R @ T → R is the brother of T

Hence, → Q is the father of T

T * M → T is the daughter of M

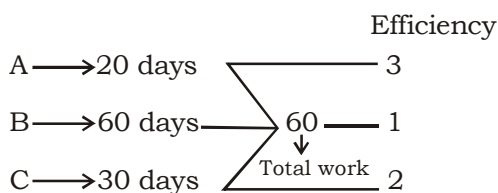Hence, → M is the mother of T

Hence, M is the wife of Q.

67. (C)

68. (D) Except the figure in option (D), all other figures can be rotated into each other.

69. (D)

70. (A) As the colour of the milk is white and it is given that 'red means white'. So, the colour of milk is red.

71. (C)



According to the question →

5 days work of (A + B + C) = 6 × 5 = 30

Now C left the work. So next 3 days A and B will work

Work done by A and B = 4 × 3 = 12 units

Remaining work = (60 – 42) = 18 units

Required time for A to complete the rest

of the work = $\dfrac{18}{3}$ = 6 days

72. (C) Let the distance of the place from the starting point be x km

∴ The speed of the man along the stream

= 10 + 3 = 13 kms/hr

Speed of man against the stream = 10 – 3

= 7 kms/hr

∴ $\dfrac{x}{13} + \dfrac{x}{7} = 1$

or 20x = 13 × 7

∴ x = $\dfrac{91}{20}$

x = 4.55 km

73. (D) From the rule of alligation
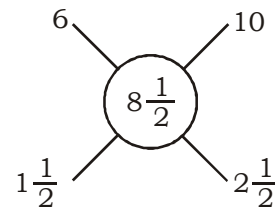


∴ Ratio between 1st and 2nd sum = 3 : 5

∴ 2nd sum = $\dfrac{5}{3} \times 7500$ = ₹ 12500

74. (C) Let the C.P. of each article be ₹ x

∴ $\dfrac{50x \times 120}{100} + \dfrac{50x \times 140}{100} - \dfrac{100x \times 125}{100}$ = 100

⇒ 60x + 70x – 125x = 100

∴ 5x = 100

x = ₹ 20

75. (C) 25% (stolen) + 10% (Dropped) ⇒ 35% = $\dfrac{7}{20}$,

50% = $\dfrac{1}{2}$

Sum – Remain

20 – 13

2 – 1

40 – 13

↓ ×130     ↓ ×130

5200     1690

76. (C) $\dfrac{M_1 D_1 T_1}{W_1} = \dfrac{M_2 D_2 T_2}{W_2}$

$\dfrac{16 \times 6 \times 25}{150 \times 20 \times 12} = \dfrac{12 \times 8 \times D}{800 \times 15 \times 6}$

After solving this $D_2 = 50$ days

77. (C) Let the numbers be $3x$ and $3y$.

$\therefore 3x + 3y = 36$

$\Rightarrow x + y = 12$ ....... (i)

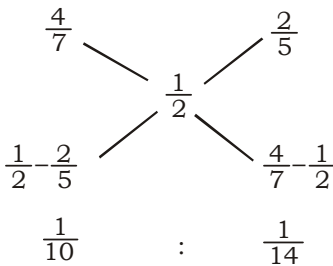and $3xy = 105$ ............(ii)

Dividing equation (i) and (ii)

$\dfrac{x}{3xy} + \dfrac{y}{3xy} = \dfrac{12}{105}$

$\Rightarrow \dfrac{1}{3y} + \dfrac{1}{3x} = \dfrac{4}{35}$

78. (C)

Mixture – I     Mixture – II

$\dfrac{4}{7}$     $\dfrac{2}{5}$

$\dfrac{1}{2}$

$\dfrac{1}{2} - \dfrac{2}{5}$     $\dfrac{4}{7} - \dfrac{1}{2}$

$\dfrac{1}{10}$   :   $\dfrac{1}{14}$

$\therefore$ Required ratio = 7 : 5

79. (B) Total age of all boys along with the teacher = $(24 + 1) \times 15 = 375$ years

Total age of all boys excluding The teacher = $24(15 - 1)$

= 336 years

$\therefore$ The age of the teacher = $375 - 336$

= 39 years

80. (A) Profit Ratio of A, B and C

= $(5 \times 12) : (7 \times 12) : (6 \times 6 + \dfrac{6}{2} \times 6)$

= 60 : 84 : 54

= 10 : 14 : 9

$\therefore$ Share of C in the Profit = $\dfrac{9}{33} \times 33000$

= ₹ 9000

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## HSSC MOCK TEST – 123 (ANSWER KEY)

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

*Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003*

*Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock Test.*

*Note:- If you face any problem regarding result or marks scored, please contact 9313111777*