

HSSC MOCK TEST - 127 (SOLUTION)

51. (B) Unit of pressure is Pascal. While the unit of **force** is Newton.

52. (C) As, $111 \times 111 = 12321$

Similarly, $107 \times 107 = \mathbf{11449}$

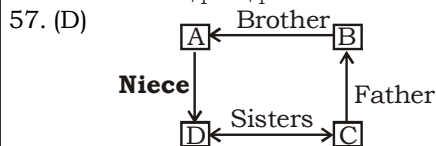
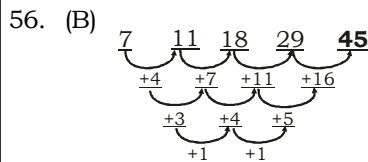
53. (D) Except **Bihu**, all others are classical dances. While Bihu is a folk dance of Assam.

54. (A) Except **9569**, all others are formed by odd numbers.

55. (C) $248 \div 31 = 4 \times 24 - 88$

$$\Rightarrow 8 = 96 - 88$$

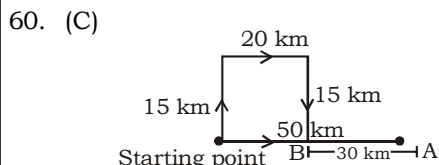
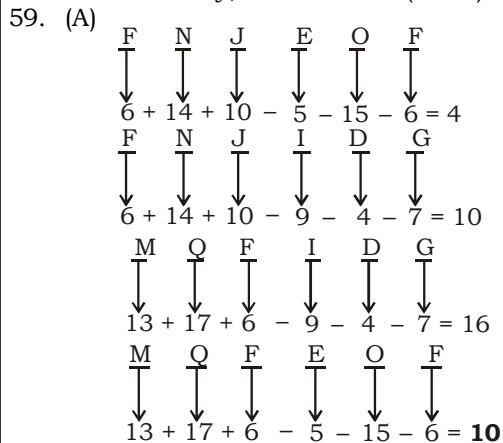
$$\mathbf{8 = 8}$$



58. (A) As, $4 * 9 \% 2 \rightarrow (4 \times 9)^2 = 1296$

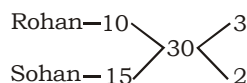
and, $4 * 3 \% 3 \rightarrow (4 \times 3)^3 = 1728$

Similarly, $4 \% 5 \% 3 \rightarrow (4 \times 5)^3 = \mathbf{8000}$



Hence, B is in **30 km West of A**.

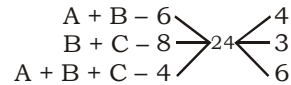
61. (A) A.T.Q,



Work done by Mohan in 9 days
 $= 9 \times 2 = 18$ units

$$\therefore \text{Required number of days} = \frac{30-18}{3} = 4$$

62. (C) A.T.Q,



\therefore Efficiency of B = $4 + 3 - 6 = 1$

Then, efficiency of A = $4 - 1 = 3$

and, efficiency of C = $3 - 1 = 2$

$$\therefore \text{Required time} = \frac{24}{3+2} = 4\frac{4}{5} \text{ days}$$

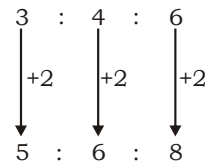
63. (C) $414.14 - 14.41 - 11.41 - 4.11 - 1.11$
 $= 414.14 - 31.04 = 383.10$

64. (D) Speed of train = $\frac{120+240}{40} = 9$ m/sec

$$\therefore \text{Required time} = \frac{120+600}{9} = 80 \text{ sec}$$

65. (B) $468 \times \frac{8}{13} \times \frac{3}{28} \times \frac{7}{4} = 54$

66. (A) ATQ,



2 units = 30

Hence number of students initially

$$= \frac{30}{2} \times (3 + 4 + 6) = 195$$

67. (B) ATQ,

$$\frac{2x+3y}{3x+y} = \frac{4}{3}$$

$$\Rightarrow 6x+9y = 12x+4y$$

$$\Rightarrow 6x = 5y$$

$$\Rightarrow \frac{x}{y} = \frac{5}{6}$$

$$\therefore \text{Required ratio} = \frac{(2+3) \times 5}{(3+1) \times 6} = \frac{25}{24}$$

68. (A) Let the cost price of an article = 1

Cost price of 10 articles = ₹10

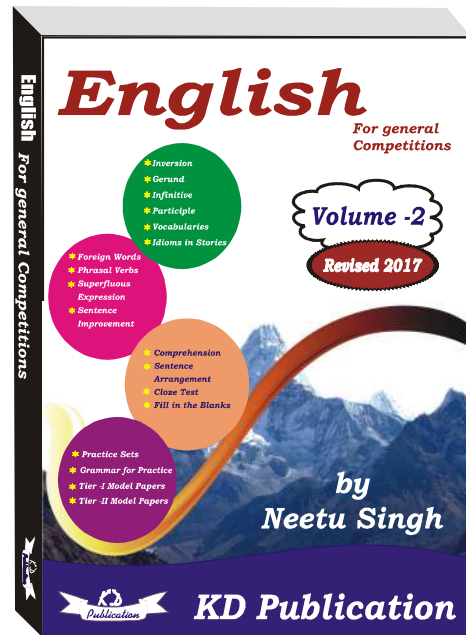
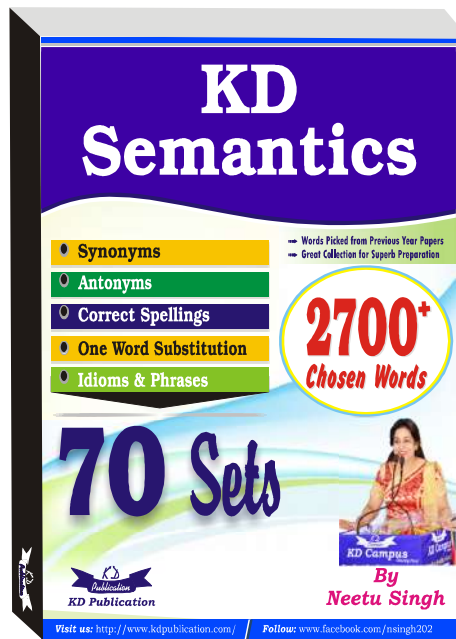
Selling price of 10 articles = ₹12

$$\therefore \text{Required profit} = \frac{12-10}{10} \times 100 = 20\%$$

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69. (A) Let total amount = 8
Total time = 8
A : B : C
Amount – 2 : 1 : 5
Time – 2 : 1 : 8
Profit – 4 : 1 : 40
- \therefore Required profit of C = $\frac{9000}{(4+1+40)} \times 40$
= ₹8000
70. (B) Cost price of articles = $\frac{600 \times 90 \times 100}{100 \times 108}$
= ₹500
- \therefore Required profit $\frac{600 - 500}{500} \times 100 = 20\%$
81. (C) Remove 'of time' as it is supposed to be superfluous. Either 'for a short period' or 'for a short time' is used.
82. (A) Either use 'throughout the year' or 'the whole year' as both are used for the same thing. Hence usage of 'throughout the whole year', is absolutely wrong.
83. (A) Repine: feel or express discontent; fret
87. (C) 'Blood is thicker than water' - Family relationships and loyalties are the strongest and most important ones.
88. (A) 'The squeaky wheel gets the grease' - The most noticeable problems are the ones most likely to get attention.
89. (A) 'Run out of steam' - To lose impetus or enthusiasm.



HSSC MOCK TEST – 127 (ANSWER KEY)

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