

**HSSC MOCK TEST – 126 (SOLUTION)**

51. (D) Mathematics is base on formulas and chemistry is based on rections.

52. (C)  $60 \times 2.5 = 150$

$46 \times 2.5 = 115$

53. (C) Except **Fish** , all others are survive without water.

54. (D)  $(123, 36) \Rightarrow (1 + 2 + 3)^2 = 36$

$(243, 81) \Rightarrow (2 + 4 + 3)^2 = 81$

$(768, 441) \Rightarrow (7 + 6 + 8)^2 = 441$

**$(622, 144) \Rightarrow (6 + 2 + 2)^2 = 100 \neq 144$**

55. (D)  $256 \div 64 \times 41 - 76 = 88$

$\Rightarrow 4 \times 41 - 76 = 88$

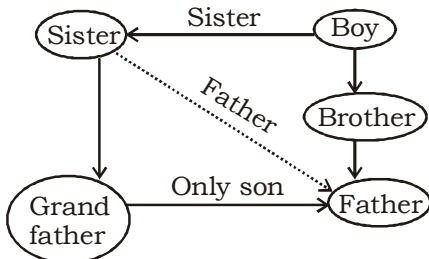
$\Rightarrow 164 - 76 = 88$

**$88 = 88$**

56. (B)

7, 14, 56, 448, 7168  
 $\times 2 \quad \times 4 \quad \times 8 \quad \times 16$

57. (C)



58. (A)  $8 + 5 + 3 \Rightarrow 38 - 5 = 33$

$3 + 7 + 6 \Rightarrow 63 - 7 = 56$

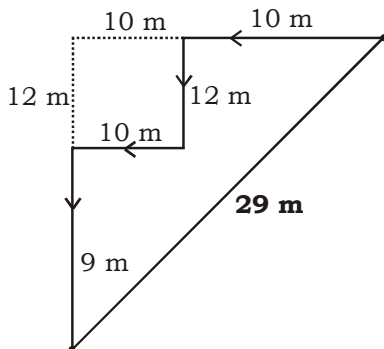
$6 + 7 + 4 \Rightarrow 46 - 7 = 39$

59. (B)  $6 \times 7 - 5 = 37$

$8 \times 4 - 9 = 23$

$10 \times 3 - 2 = 28$

60. (B)



$\therefore$  Required distance  $= \sqrt{20^2 + 21^2}$

$= \sqrt{841} = 29 \text{ m}$

61. (B) Let the age of younger man =  $x$  years  
 age of elder man =  $x + 18$  years

A.T.Q.,

$\frac{3}{2}(x - 8) = x + 18 - 8$

$\Rightarrow 3x - 24 = 2x + 20$

$\Rightarrow x = 44$

$\therefore$  age of elder man =  $44 + 18 = 62$  years

62. (C) Let the number of wicket taken in last match =  $x$

Number of run given in the last match =  $16x$

A.T.Q.,

$\frac{16x + 24}{x + 6} = 14$

$\Rightarrow 16x + 24 = 14x + 84$

$\Rightarrow 2x = 60$

$\Rightarrow x = 30$

$\therefore$  Let the number of wicket taken in last match =  $30 + 6 = 36$

63. (B)  $0.1\bar{6} + 0.58\bar{3} + 1.3\bar{18}$

$= \frac{(16-1)}{90} + \frac{(583-58)}{900} + \left(1 + \frac{318-3}{990}\right)$

$= \frac{15}{90} + \frac{525}{900} + 1 + \frac{315}{990}$

$= \frac{1}{6} + \frac{7}{12} + 1 + \frac{7}{22}$

$= \frac{22+77+132+42}{132}$

$= \frac{273}{132} = \frac{91}{44}$

64. (B) A.T.Q.,

$14x \times 14y = 4032 \times 14$

$\Rightarrow xy = 288$

$\therefore$  Required pairs = (1,288) (288, 1)  
 (9, 32)(32, 9)

$\therefore$  Number of required pairs = 4

65. (B) We know that,

$1^2 + 2^2 + 3^2 \dots \dots \dots + n^2$

$= \frac{n(n+1)(2n+1)}{6}$

$\therefore 1^2 + 2^2 + 3^2 + 4^2 \dots \dots \dots + 9^2$

$= \frac{9(9+1)(9 \times 2 + 1)}{6} = 285$

66. (C) A.T.Q.,

Required number =  $13 \times 45 + 2 = 587$

$$\begin{array}{r} 18 \\ 31 \overline{) 587} \\ \underline{31} \phantom{0} \\ 277 \\ \underline{248} \\ 29 \end{array}$$

Hence, required quotient = 18

67. (D) Let the amount invested by =  $x$   
 Amount invested by B =  $y$   
 A.T.Q.,  
 $\frac{9x}{7y} = \frac{6}{5}$   
 $\Rightarrow 15x = 14y$   
 $\Rightarrow x : y = 14 : 15$
68. (A) Time taken by Ram to travel distance of 360 m  
 $= \frac{360 \times 18}{16 \times 5} = 81 \text{ sec}$   
 $\therefore$  Speed of Shyam =  $\frac{(360 - 30)}{(81 + 9)} \times \frac{18}{5}$   
 $= \frac{330}{90} \times \frac{18}{5} = 13.2 \text{ km/hr}$
69. (C) Number of days from 13 march to 25 may  
 $= 18 + 30 + 25 = 73$   
 $\therefore$  Required simple interest  
 $= \frac{1500 \times 8 \times 73}{365 \times 100} = ₹24$
70. (B) Let the number of men in building A =  $x$   
 Number of men in the building B =  $y$   
 A.T.Q.,  
 $x + 13 = y - 13$   
 $\Rightarrow y - x = 26 \dots\dots\dots (i)$   
 Now,  
 $3(x - 25) = y + 25$   
 $\Rightarrow 3x - 75 = y + 25$   
 $\Rightarrow 3x - y = 100 \dots\dots\dots (ii)$   
 On solving equations (i) and (ii)  
 $3x - (x + 26) = 100$   
 $\Rightarrow 3x - x = 126$   
 $\Rightarrow x = 63$   
 Hence, number of men in B =  $63 + 26 = 89$
81. (A) Replace 'for' by 'to'. As 'go to the cinema', 'go to theatre' etc. are correct phrases.
82. (B) Replace 'pulled out' by 'pulled off'.  
 Pull out  $\rightarrow$  withdraw from an undertaking  
 Pull off  $\rightarrow$  to be able to perform, especially in hardships, or setbacks.

**MEANINGS IN ALPHABETICAL ORDER**

Word	Meaning in English	Meaning in Hindi
Edacious	relating to or given to eating	खाने से संबंध
Petulant	bad-tempered person	दीठ, झक्की
Peevish	having or showing irritable reaction	चिडचिडा
Penurious	extremely poor	गरीब, दरिद्र
Diffuse	lacking clarity or conciseness	बिखरा हुआ
Confiscate	seize with authority	जब्त करना
Reprove	reprimand (someone)	निंदा करना
Imbibe	absorb or assimilate	सोखना
Plunge	jump or dive quickly	डुबकी

**HSSC MOCK TEST - 126 (ANSWER KEY)**

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