

**HARYANA MOCK TEST – 113 (SOLUTION)**

61. (A) Any change in the first is made by the means of second.

62. (B) Dividing the first number by 7 will give the second number.

63. (B) The first, Third, Fifth and Seventh letters are moved one step backward to obtain the corresponding letters and rest of the letters are same.

64. (A) 4, 2, 1, 3

65. (C) Letters **A L G U T**  
Digits 2 3 5 4 9

66. (B)  $(5 + 11) \div (4 + 4) = 16 \div 8 = 2$   
 $(7 + 13) \div (1 + 3) = 20 \div 4 = 5$   
 $(? + 20) \div (5 + 3) = 4$

$$\Rightarrow \frac{? + 20}{8} = 4$$

$$\Rightarrow ? + 20 = 32$$

$$\Rightarrow ? = 32 - 20$$

$$\Rightarrow ? = 12$$

67. (C) **OPQNOPRSTDEF = POSE**  
**STUXYZOPQDEF = TYPE**

68. (C) From the given information, we have-  
Gopal > Raman > Madan

Amar > Sripal > Gopal

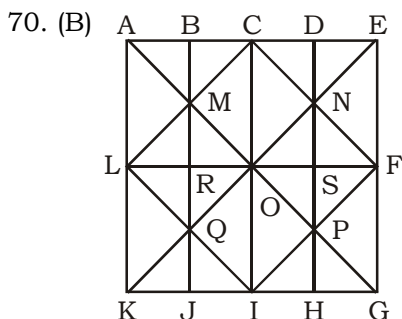
Tarun > Amar > Varun

Combining all the above, we get

Tarun > Amar > Sripal > Gopal > Raman > Madan

Position of Varun will be somewhere after Amar, but it is not fixed as relation of Varun with anyone is not given. Hence, Tarun is the strongest.

69. (D)



The horizontal lines are AK, BJ, CI, DH and EG i.e. 5 in number.

The vertical lines are AE, LF and KG i.e. 3 in number.

The slanting lines are LC, CF, FI, LI, EK and AG i.e. 6 in number.

Thus, we require  $5 + 3 + 6 = 14$  straight lines to make the given figure.

71. (D)  $4.5 \text{ km/hr} = \left(4.5 \times \frac{5}{18}\right) \text{ m/sec}$

$$= \frac{5}{4} \text{ m/sec} = 1.25 \text{ m/sec}$$

and  $5.4 \text{ km/hr} = \left(5.4 \times \frac{5}{18}\right) \text{ m/sec}$

$$= \frac{3}{2} \text{ m/sec} = 1.5 \text{ m/sec}$$

Let the speed of the train be  $x \text{ m/sec}$

Then,  $(x - 1.25) \times 8.4 = (x - 1.5) \times 8.5$

$$\Rightarrow 8.4x - 10.5 = 8.5x - 12.75$$

$$\Rightarrow 0.1x = 2.25$$

$$\Rightarrow x = 22.5$$

$$\therefore \text{Speed of the train} = \left(22.5 \times \frac{18}{5}\right) \text{ km/hr}$$

$$= 81 \text{ km/hr}$$

72. (A) Cost price of 1 Banana = ₹ 3.5

selling price of 1 Banana = ₹ 4

$\therefore$  Required profit %

$$= \frac{.5}{3.5} \times 100 = 14 \frac{2}{7} \% \text{ gain}$$

73. (B) Let the height of the building  $x$  metres.  
Less lengthy shadow, less in the height  
(Direct proportion)

$$\therefore 40.25 : 28.75 :: 17.5 : x$$

$$\Leftrightarrow 40.25 \times x = 28.75 \times 17.5$$

$$x = \frac{28.75 \times 17.5}{40.25}$$

$$\Rightarrow x = 12.5$$

74. (A) Let the average age of the whole team by  $x$  years.

$$\therefore 11x - (26 + 29) = 9(x - 1)$$

$$\Rightarrow 11x - 9x = 46$$

$$\Rightarrow 2x = 46$$

$$\Rightarrow x = 23$$

So, average age of the team is 23 years

75. (B) C's 1 day's work =  $\frac{1}{3} - \left(\frac{1}{6} + \frac{1}{8}\right)$

$$= \frac{1}{3} - \frac{7}{24} = \frac{1}{24}$$

A's wages : B's wages : C's wages

$$= \frac{1}{6} : \frac{1}{8} : \frac{1}{24} = 4 : 3 : 1$$

$$\therefore \text{C's share (for 3 days)} = ₹ \left(3 \times \frac{1}{24} \times 3200\right)$$

$$= ₹ 400$$

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76. (A) Let the speed of the stream  $x$  mph. Then,  
Speed downstream =  $(10 + x)$  mph,  
Speed upstream =  $(10 - x)$  mph

$$\therefore \frac{36}{(10 - x)} - \frac{36}{(10 + x)} = \frac{90}{60}$$

$$\Rightarrow 72x \times 60 = 90(100 - x^2)$$

$$\Rightarrow x^2 + 48x - 100 = 0$$

$$\Rightarrow (x + 50)(x - 2) = 0$$

$$\Rightarrow x = 2 \text{ mph}$$

77. (B) C.P. of 56 kg rice = ₹  $(26 \times 20 + 30 \times 36)$   
= ₹  $(520 + 1080)$  = ₹ 1600

S.P. of 56 kg rice = ₹  $(56 \times 30)$  = ₹ 1680

$$\therefore \text{Gain} = \left( \frac{80}{1600} \times 100 \right) \% = 5\%$$

78. (A) P = 6000

For 1st year CI = 5% of 6000 = 300

Amount = 6000 + 300 = 6300

P for 2<sup>nd</sup> year = 6300 - 2100 = 4200

CI for 2<sup>nd</sup> year = 5% of 4200 = 210

Amount 2<sup>nd</sup> year = 4200 + 210 = 4410

P for 3<sup>rd</sup> year = 4410 - 2100 = 2310

CI for 3<sup>rd</sup> year = 5% of 2310 = 115.5

Required amount = 2310 + 115.5 = 2425.5

79. (B) Let C.P. = ₹ 100,

Then, Profit = ₹ 320, S.P. = ₹ 420

New C.P. = 125% of ₹ 100 = ₹ 125

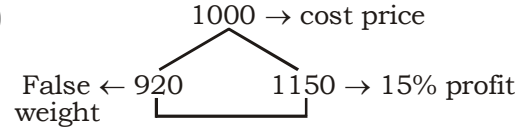
New S.P. = ₹ 420

Profit = ₹  $(420 - 125)$  = ₹ 295

$\therefore$  Required percentage

$$= \left( \frac{295}{420} \times 100 \right) \% = \frac{1475}{21} \% = 70\% \text{ (approx.)}$$

80. (C)



$$\therefore \text{Req}\% \Rightarrow \frac{230}{920} \times 100$$

$$\Rightarrow \frac{2300}{92} = 25\% \text{ profit}$$



**HARAYANA MOCK TEST - 113 (ANSWER KEY)**

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

**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**

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