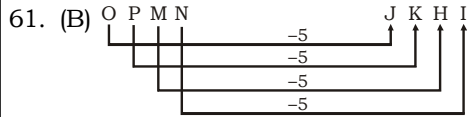
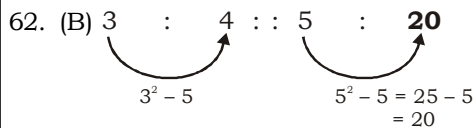
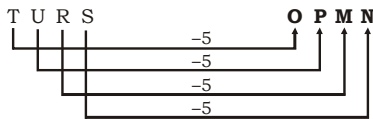


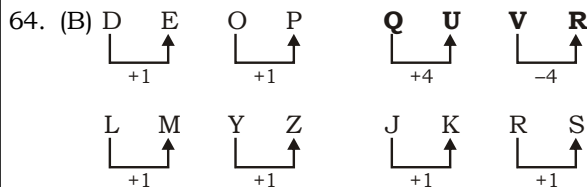
**HSSC MOCK TEST - 155 (SOLUTION)**



Similarly,



63. (B) Mosque is the holy place for Muslims and Gurudwara is the holy place for Sikhs.



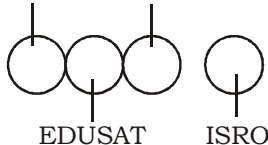
65. (C)  $19-33 \Rightarrow 33 - 19 = 14$  [ Multiple of 7 ]  
 $24-45 \Rightarrow 45 - 24 = 21$  [ " " " ]  
 $16-23 \Rightarrow 23 - 16 = 7$  [ " " " ]  
 $35-62 \Rightarrow 62 - 35 = 27 \rightarrow$  not a multiple of 7.

66. (A)  $3 \rightarrow 1 \rightarrow 2 \rightarrow 4$

67. (B)  $w \underline{x} u w / w \underline{x} \underline{u} w / \underline{w} x u w / \underline{w} x \underline{u} w$

68. (A) HONEST

69. (A) INSAT ARYABHATTA



70. (A)

71. (A) Total distance covered =  $\left(\frac{7}{2} + \frac{1}{4}\right)$  miles

$$= \frac{15}{4} \text{ miles}$$

$$\therefore \text{Time taken} = \left(\frac{15}{4 \times 90}\right) = \frac{1}{24} \text{ hrs}$$

$$= \left(\frac{1}{24} \times 60\right) = 2.5 \text{ min}$$

72. (B) Let the sum be ₹ 100. Then,

$$\text{S.I. for first 6 months} = \left(\frac{100 \times 10 \times 1}{100 \times 2}\right) = ₹ 5$$

$$\text{S.I. for last 6 months} = \left(\frac{105 \times 10 \times 1}{100 \times 2}\right) = ₹ 5.25$$

So, amount at the end of 1 year

$$= (100 + 5 + 5.25) = ₹ 110.25$$

$$\therefore \text{Effective rate} = (110.25 - 100) = 10.25\%$$

73. (B) C.P of 1st transistor =  $\left(\frac{100}{120} \times 840\right) = ₹ 700$

$$\text{C.P of 2nd transistor} = \left(\frac{100}{96} \times 960\right) = ₹ 1000$$

So, total C.P =  $(700 + 1000) = ₹ 1700$

Total S.P =  $(840 + 960) = ₹ 1800$

$$\therefore \text{Gain \%} = \left(\frac{100}{1700} \times 100\right)\% = 5\frac{15}{17}\%$$

74. (A) Number of valid votes = 80% of 9000 = 7200  
 $\therefore$  Valid votes polled for other candidate = 45% of 7200

$$= \left(\frac{45}{100} \times 7200\right) = 3240$$

75. (B) Total quantity of petrol consumed in 3 years

$$= \left(\frac{4800}{7.50} + \frac{4800}{8} + \frac{4800}{10}\right) \text{ litres}$$

$$= 4800 \left(\frac{2}{15} + \frac{1}{8} + \frac{1}{10}\right) \text{ litres}$$

$$= 4800 \times \left(\frac{16+15+12}{120}\right) = 1720 \text{ litres}$$

Total amount spent =  $(3 \times 4800) = ₹ 14400$

$$\therefore \text{Average cost} = \left(\frac{14400}{1720}\right) = ₹ 8.37$$

76. (C) Let the speed upstream be  $x$  km/h and that downstream be  $y$  km/h.

Then, distance covered upstream in 8 hrs 48 min = Distance covered downstream in 4 hrs

$$\Rightarrow \left(x \times 8\frac{4}{5}\right) = (y \times 4)$$

$$\Rightarrow \frac{44}{5}x = 4y$$

$$\Rightarrow y = \frac{11}{5}x$$

$$\therefore \text{Required ratio} = \left(\frac{y+x}{2}\right) : \left(\frac{y-x}{2}\right)$$

$$= \left(\frac{16x}{5} \times \frac{1}{2}\right) : \left(\frac{6x}{5} \times \frac{1}{2}\right)$$

$$= \frac{8}{5} : \frac{3}{5} = 8 : 3$$

77. (D) Let speed of the car be  $x$  km/h

$$\text{Then, speed of the train} = \frac{150}{100}x = \left(\frac{3}{2}x\right)$$

$$\therefore \frac{60}{x} - \frac{60}{\left(\frac{3}{2}x\right)} = \frac{125}{10 \times 60}$$

$$\Rightarrow \frac{60}{x} - \frac{40}{x} = \frac{5}{24}$$

$$\Rightarrow x = \left(\frac{20 \times 24}{5}\right) = 96 \text{ km/h}$$

78. (A)  $2(A + B + C)$ 's 1 day's work

$$= \left(\frac{1}{30} + \frac{1}{24} + \frac{1}{20}\right) = \frac{15}{120} = \frac{1}{8}$$

Therefore,  $(A + B + C)$ 's 1 day's work

$$= \frac{1}{2 \times 8} = \frac{1}{16}$$

$$\text{Work done by A, B, C in 10 days} = \frac{10}{16} = \frac{5}{8}$$

$$\text{Remaining work} = \left(1 - \frac{5}{8}\right) = \frac{3}{8}$$

$$\text{A's 1 day's work} = \left(\frac{1}{16} - \frac{1}{24}\right) = \frac{1}{48}$$

Now,  $\frac{1}{48}$  work is done by A in 1 day.

So,  $\frac{3}{8}$  work will be done by A in  $\left(48 \times \frac{3}{8}\right)$

= 18 days.

$$79. \text{ (C) C.I.} = \left[4000 \times \left(1 + \frac{10}{100}\right)^2 - 4000\right]$$

$$= \left(4000 \times \frac{11}{10} \times \frac{11}{10} - 4000\right) = ₹ 840$$

$$\therefore \text{Sum} = \left(\frac{420 \times 100}{3 \times 8}\right) = ₹ 1750$$

80. (D) Let CP be the cost price, MP be the marked price and SP be the selling price

SP = 80% of MP = 88% of CP (12% loss)

MP = 1.1 CP

now if SP = 95% of MP = 95% of 1.1 CP = 1.045 CP

$\therefore$  profit = 1.045 CP - CP = 0.045 CP = 4.5%

### HSSC MOCK TEST - 155 (ANSWER KEY)

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