

HSSC MOCK TEST – 120 (SOLUTION)

61. (C) Manipuri is a folk dance of Manipur and Kathakali is a folk dance of Kerala.

62. (A) $182 \quad 342 \quad 210 \quad 380$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $13^2+13 \quad 18^2+18 \quad 14^2+14 \quad 19^2+19$

63. (C) As, A D H M
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$ opposite
 Z W S N
 Similarly, C F J O
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$ opposite
 X U Q L

64. (D) 761 is a prime number.

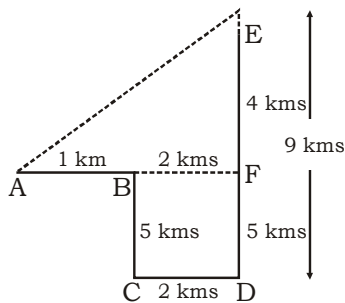
65. (D) In rest of the options, the first word is a smaller form of second word.

66. (A) $\begin{matrix} A & C & D & F & T & U & O & P \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +2 & +2 & +2 & +2 & +1 & +1 & +1 & +1 \end{matrix}$
 $\begin{matrix} H & I & V & W & F & G & I & J \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ +1 & +1 & +1 & +1 & +1 & +1 & +1 & +1 \end{matrix}$

67. (B)

68. (B) The region which represents all three i.e., owner, broker and worker is 'T'

69. (C)



AF = 3 kms, EF = 4 kms

$$\therefore AE = \sqrt{3^2 + 4^2} = \sqrt{9+16} = \sqrt{25} = 5 \text{ kms}$$

So, he is 5 kms away from the starting point.

70. (B) As, P A S S P O R T
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 +2 +2 +2 +2 +2 +2 +2 +2
 R C U U R Q T V

So, B O O K L E T
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 +2 +2 +2 +2 +2 +2 +2
 D Q Q M N G V

71. (C) The LCM of 12, 18, 21, 30

$$\begin{array}{r|l} 2 & 12, 18, 21, 30 \\ \hline 3 & 6, 9, 21, 15 \\ \hline & 2, 3, 7, 5 \end{array}$$

$$\therefore \text{LCM} = 2 \times 3 \times 2 \times 3 \times 7 \times 5 = 1260$$

\therefore The required number

$$= \frac{1260}{2} = 630$$

72. (C) Let the principal be x

$$\therefore \text{Principal SI} = \frac{7x}{4}$$

$$\therefore \text{SI} = \frac{7x}{4} - x = \frac{3x}{4}$$

$$\text{Rate} = \frac{\text{SI} \times 100}{\text{Principal} \times \text{Time}} = \frac{3x \times 100}{4 \times x \times 4} = 18\frac{3}{4}\%$$

73. (D) Average of 9 consecutive no. = n

\therefore Fifth number = n

Tenth number = n + 5

Eleventh number = n + 6

New average

$$= \frac{9n + n + 5 + n + 6}{11}$$

$$= \frac{11n + 11}{11} = \frac{(n+1) \times 11}{11} = n + 1$$

74. (C) Pipe A can fill a tank = 20 minutes

Let the efficiency of pipe A = 100

Then the efficiency of 5 new pipes

$$= 100 \times \frac{20}{100} \times 5 = 100$$

$$M_1 D_1 = M_2 D_2$$

$$20 \times 100 = 100 \times D_2$$

$$D_2 = 20 \text{ min}$$

75. (A) Let the numbers be a and b.

According to the question,

$$ab = 120 \quad \dots(i)$$

$$\text{and } a^2 + b^2 = 289 \quad \dots(ii)$$

$$\therefore (a + b)^2 = a^2 + b^2 + 2ab$$

$$= 289 + 2 \times 120$$

$$= 289 + 240 = 529$$

$$\therefore a + b = \sqrt{529} = 23$$

76. (C) Let the number be x .
Then,
 $x^2 = (75.15)^2 - (60.12)^2$
 $= (75.15 + 60.12)(75.15 - 60.12)$
 $= 135.27 \times 15.03$
 $= 2033.1081$

$\Rightarrow x = \sqrt{2033.1081}$
 $= 45.09$

77. (C) After 10% discount
Price of watch = 648

\therefore 2nd discount = $\frac{648 - 550.8}{648} \times 100 = 15\%$

78. (B) Teacher's age
 $= 16 \times 10 - 19 \times 4 - 5 \times 10$
 $= 160 - 76 - 50 = 34$ years

79. (C) Let the numbers be x , y and z .

Then,

$x : y = 2 : 3$

$y : z = 5 : 8$

$\therefore x : y : z = 2 \times 5 : 3 \times 5 : 3 \times 8$

$= 10 : 15 : 24$

Sum of the ratios

$= 10 + 15 + 24 = 49$

\therefore The second number

$= \frac{15}{49} \times 98 = 30$

80. (A) In 400 gm of alloy.

Zinc = $\frac{5}{8} \times 400 = 250$ gm

Copper = $\frac{3}{8} \times 400 = 150$ gm

If x gm of copper be mixed, then

$\frac{250}{150 + x} = \frac{5}{4}$

$\Rightarrow 750 + 5x = 1000$

$\Rightarrow 5x = 1000 - 750 = 250$

$\Rightarrow x = 50$ gm



HSSC MOCK TEST – 120 (ANSWER KEY)

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