

HSSC MOCK TEST – 128 (SOLUTION)

51. (D) On multiplying, we obtained the product while on adding we obtained **sum**.

52. (B) As, $50 \times 2\frac{1}{2} = 125$

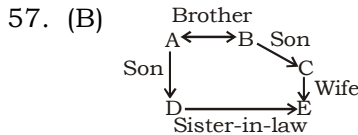
Similarly, $60 \times 2\frac{1}{2} = \mathbf{150}$

53. (D)
$$\begin{array}{r} 2 \quad 4 \quad 8 \\ \times 2 \quad \times 2 \\ \hline 4 \quad 8 \quad 32 \\ \times 2 \quad \times 4 \end{array} \quad \begin{array}{r} 3 \quad 6 \quad 18 \\ \times 2 \quad \times 3 \\ \hline 6 \quad 12 \quad 84 \\ \times 2 \quad \times 7 \end{array}$$

54. (A) Except **America**, all others are dependence countries.

55. (B) $5 > 2 \times 1 - 3 > 4 < 1$
After changing the signs,
 $5 \times 2 + 1 = 3 \times 4 - 1$
 $\Rightarrow 11 = \mathbf{11}$

56. (B)
$$\begin{array}{cccccc} 118 & 182 & 186 & 222 & 226 & 242 \\ \hline & +8^2 & +2^2 & +6^2 & +2^2 & +4^2 \end{array}$$



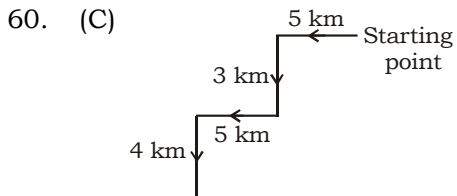
58. (A)

$$\begin{array}{ccccccc} 2 & 5 & \times & 1 & 6 & = & 6 & 5 & 2 & 1 \\ \hline & & & & & & & & & \end{array}$$

$$\begin{array}{ccccccc} 1 & 5 & \times & 3 & 4 & = & 4 & 5 & 1 & 3 \\ \hline & & & & & & & & & \end{array}$$

$$\begin{array}{ccccccc} 2 & 4 & \times & 3 & 5 & = & 5 & 4 & 2 & 3 \\ \hline & & & & & & & & & \end{array}$$

59. (A) $7^2 + 2 + 8 = 59$
 $6^2 + 5 + 9 = 50$
 $3^2 + 1 + 4 = \mathbf{14}$



Hence, he is walking in **South** direction.

61. (B) ATQ,
 $8 \times 7 \times 6 = (8 + 4) \times 2 \times x$
 $\Rightarrow x = 14$
Hence, required time = **14 hr**

62. (B) ATQ,
Required amount = $\frac{8000 \times 8000}{10000}$
= ₹ 6400

63. (C) ATQ,
Required marks = $\frac{550}{68.75} \times \frac{100}{2} = \mathbf{400}$

64. (D) ATQ,
 $\frac{xy}{yz} = \frac{527}{992} = \frac{17 \times 31}{31 \times 32}$
 $\Rightarrow \frac{x}{z} = \frac{17}{32}$

Then required sum = $17 + 31 + 32 = \mathbf{80}$

65. (C) ATQ,
Distance travelled by A in 1 min
 $= \frac{2\pi r \times 10}{50}$

Then taken to travell new circumference
 $= \frac{2\pi r \times 10}{2\pi r \times 10} \times 50 = \mathbf{50 \text{ min}}$

66. (B) ATQ,
Cost price of milk in the mixture
 $= \frac{9}{120} \times 100 = ₹ 7.5$
Hence, required ratio
 $= \text{Milk : Water}$
 $750 : 1000 - 750$
3 : 1

67. (A)

A	$5 \times 8 = 40$	}	360	{	9
B	$15 \times 4 = 60$				6
C	$\frac{36}{40} \times 100 = 90$				4

Required number of days
 $= \frac{360}{9+6+4} = \frac{360}{19} = \mathbf{18\frac{18}{19} \text{ days}}$

68. (C) Distance = $\frac{\text{Product of speeds}}{\text{Difference of speeds}} \times \text{Time}$
(difference)

$$= \frac{75 \times 60}{75 - 60} \times \frac{12}{60}$$

$$= \frac{75 \times 60}{15} \times \frac{1}{5} = 60 \text{ km}$$

Required time interval

$$= \frac{60 \text{ (distance)}}{60 \text{ (speed)}} - 15 \text{ min}$$

$$= 1 \text{ hour} - 15 \text{ minutes} = \mathbf{45 \text{ minutes}}$$

69. (D) Let the fraction = $\frac{x}{x+9}$

$$\frac{x+7}{x+9+8} = \frac{3}{5} \Rightarrow \frac{x+7}{x+17} = \frac{3}{5}$$

$$\Rightarrow 5x + 35 = 3x + 51$$

$$\Rightarrow 2x = 16$$

$$\Rightarrow x = 8$$

$$\therefore \text{Fraction} = \frac{8}{8+9} = \frac{8}{17}$$

70. (A) $5 - \frac{6}{1 + \frac{13}{30}} = 5 - \frac{180}{43} = \frac{35}{43}$

81. (B) Remove 'for' after ordered, as 'order' is a transitive verb and takes object directly after it.

82. (B) Use 'whether' in place of 'that' that will make the sentence meaningful.

MEANINGS IN ALPHABETICAL ORDER

Word	Meaning in English	Meaning in Hindi
Plausible	appearing worthy of belief	विश्ववसनीय
Oblivious	not aware of or concerned about what is happening around them	भुलक्कड़
Sinister	something harmful or evil is happening or will happen	अशुभ
Refuted	to prove wrong by evidence or argument	खंडन करना
Enunciate	express in clear or definite term	उच्चरित करना
Dodder	to tremble from weakness	कांपना
Flotsam	things that have been discarded as worthless	कचड़ा

HSSC MOCK TEST - 128 (ANSWER KEY)

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