

HARYANA SSC MOCK TEST - 60 (SOLUTION)

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

Explanation:

41. (B) 322 is not divisible by 3.

42. (D) 112 124 156 208 **280**

$\xrightarrow{+12}$ $\xrightarrow{+32}$ $\xrightarrow{+52}$ $\xrightarrow{+72}$
 $\xrightarrow{+20}$ $\xrightarrow{+20}$ $\xrightarrow{+20}$

43. (B) 5 7 9 13 : E G I M :: 3 5 8 16 : C E H P

$\xrightarrow{+2}$ $\xrightarrow{+2}$ $\xrightarrow{+4}$ $\xrightarrow{+4}$ $\xrightarrow{+2}$ $\xrightarrow{+2}$ $\xrightarrow{+3}$ $\xrightarrow{+3}$
 $\xrightarrow{+2}$ $\xrightarrow{+2}$ $\xrightarrow{+3}$ $\xrightarrow{+3}$ $\xrightarrow{+2}$ $\xrightarrow{+2}$ $\xrightarrow{+3}$ $\xrightarrow{+3}$

44. (C) INTENTION

45. (C) $(3)2 + (2)2 = 13$
 $(4)2 + (8)2 = 80$
 $? = (1)2 + (5)2$
 $? = 1 + 25$
 $? = 26$

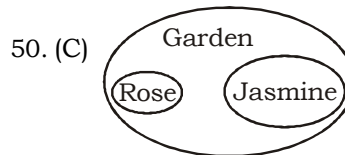
46. C)

47. (C) aba/a ba/a ba/aba

48. (D) D I P L O M A T
 $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$
 F K R N Q O C V

so, A M B A S S D O R
 $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$ $\downarrow +2$
 C O D C U U F Q T

49. (A) $5 + 7 = 12 \rightarrow 21$
 $9 + 4 = 13 \rightarrow 31$
 $7 + 9 = 16 \rightarrow 61$



51. (A) Let the original salary of the person = ₹ 100
 New Salary = 80% of 120% of 100
 $= \frac{80}{100} \times \frac{120}{100} \times 100 = ₹ 96$

Change in salary
 $= (100 - ₹ 96) = 4\%$ decreased

52. (C) 10 years ago,
 Mother's age = 4 times Sita's age
 Let Sita's age 10 yrs ago = x yrs.
 Her mother's age = $4 \times x$ yrs.
 $= 4x$ yrs.

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10 years hence,
Sita's age = $x + 10 + 10$
= $(x + 20)$ yrs.
Her mother's age = $4x + 10 + 10$
= $(4x + 20)$ yrs

ATQ,
 $4x + 20 = 2(x + 20)$
 $\Rightarrow 4x - 2x = 40 - 20$
 $\Rightarrow x = 10$ yrs
Present age of Sita = $x + 10$
= $(10 + 10)$ yrs
= 20 yrs

53. (D) SP = Rs. 240, % loss = 10%

$$CP = \frac{SP \times 100}{100 - \% \text{ loss}} = \frac{240 \times 100}{100 - 10} = \frac{240 \times 100}{90}$$

New SP at 20% profit

$$= 120\% \text{ of } \frac{240 \times 100}{90}$$

$$= \frac{120}{100} \times \frac{240 \times 100}{90} = ₹ 320$$

54. (A) Let x be subtracted.
Then,

$$\frac{13 - x}{15 - x} = \frac{3}{4}$$

$$\Rightarrow 52 - 4x = 45 - 3x$$

$$\Rightarrow 7 = x$$

$$\Rightarrow x = 7$$

55. (C) Let the investment made by B = ₹ x .
Ratio of their investment = Ratio of their profit

$$\Rightarrow \frac{3500 \times 12}{x \times 7} = \frac{2}{3}$$

$$\Rightarrow x = \frac{3500 \times 12 \times 3}{7 \times 2} = 9000$$

B's investment = ₹ 9000

56. (D) HCF of two numbers = 8
 \Rightarrow their LCM will be a multiple of 8.
 \Rightarrow 60 can never be their LCM.

57. (C) 3 men = 6 women
 \Rightarrow 1 man = 2 women
Now,
12 men + 8 women
12 men + 4 men = 16 men

\therefore 3 men can do a piece of work in 16 days.
 \therefore 1 man can do a piece of work in 16×3
 \therefore 16 men can do a piece of work in
 $\frac{16 \times 3}{16}$
= 3 days

58. (D) Let the principal be ₹ x .

$$SI = \frac{x \times 10 \times 3}{100} = \frac{3x}{10}$$

$$CI = x \left[\left(1 + \frac{10}{100} \right)^3 - 1 \right]$$

$$= x \left[\left(\frac{11}{10} \right)^3 - 1 \right]$$

$$= x \left(\frac{1331 - 1000}{1000} \right) = \frac{331x}{1000}$$

Now,
CI - SI = 31

$$\frac{331x}{1000} - \frac{3x}{10} = 31$$

$$\Rightarrow \frac{31x}{1000} = 31 \Rightarrow x = ₹ 1000$$

59. (A)

$$\begin{array}{r} 22 \\ 45 \overline{) 1000} \\ \underline{-90} \\ 100 \\ \underline{-90} \\ 10 \end{array} \quad \begin{array}{r} 23 \\ 45 \overline{) 1000} \\ \underline{-90} \\ 100 \leftarrow \\ \underline{-135} \\ 35 \end{array}$$

\therefore 35 is the least number to be added in 1000, so that the new number formed is completely divisible by 45.

60. (C) Income of B = ₹ 100
Income of A = ₹ 60
Percentage of B's income is more than

that of A's = $\frac{100 - 60}{60} \times 100$

$$= \frac{40 \times 100}{60} = 66.66\%$$

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

Note:- If you face any problem regarding result or marks scored, please contact 9313111777