

$$\therefore \frac{B}{C} = \frac{4}{5}$$

Multiplying equation (1) and (2),

$$\therefore \frac{A}{B} \times \frac{B}{C} = \frac{7}{5} \times \frac{4}{5}$$

$$\Rightarrow \frac{A}{C} = \frac{28}{25}$$

$$\therefore A : C = 28 : 25$$

23. (B) $a = 8.73, b = 4.27$

Now,

$$\frac{a^3 + b^3}{a^2 - ab + b^2} = \frac{(a+b)(a^2 - ab + b^2)}{(a^2 - ab + b^2)}$$

$$= a + b$$

$$\text{So, answer} = 8.73 + 4.27 = 13$$

24. (D) $\frac{x_1 + x_2 + x_3}{3} = 28$

$$\Rightarrow \boxed{x_1 + x_2 + x_3 = 84}$$

$$\Rightarrow x_1 = \frac{x_2}{2} \Rightarrow x_2 = 2x_1$$

$$\Rightarrow x_3 = 2x_2 = 2 \times 2x_1 = 4x_1$$

Now,

$$x_1 + x_2 + x_3 = 84$$

$$\Rightarrow x_1 + 2x_1 + 4x_1 = 84$$

$$\Rightarrow 7x_1 = 84$$

$$x_1 = \frac{84}{7} = 12$$

$$\text{So, } x_3 = 4x_1 = 4 \times 12 = 48$$

25. (A) 8 men + 12 children, work in 9 days.

From question,

$$1 \text{ men} = 2 \text{ children}$$

$$\therefore 6 \text{ men} = 12 \text{ children.}$$

$$\therefore 8 \text{ men} + 12 \text{ children}$$

$$= 8 \text{ men} + 6 \text{ men} = 14 \text{ men.}$$

$$\therefore 14 \text{ men complete a work in 9 days.}$$

$$\therefore 1 \text{ man complete a work in } 14 \times 9 \text{ days}$$

$$\therefore 12 \text{ men complete a work in } \frac{14 \times 9}{12} \text{ days}$$

$$= \frac{21}{2} = 10 \frac{1}{2} \text{ days}$$

26. (C) $(\sqrt{8})^{\frac{1}{3}} = (\sqrt{2^3})^{\frac{1}{3}}$

$$= \left(2^{\frac{3}{2}}\right)^{\frac{1}{3}} = 2^{1/2} = \sqrt{2}$$

27. (C) Let the no. of coins of 20 paise and 25 paise are x and y respectively.

$$\therefore x + y = 324 \quad \dots(1)$$

\therefore From question,

$$0.20x + 0.25y = 71$$

$$\Rightarrow 20x + 25y = 7100 \quad \dots(2)$$

From equation (1) and (2),

$$20x + 25y = 7100 \quad \dots(2)$$

$$\underline{x + y = 324 \quad \dots(1) \times 20}$$

$$\Rightarrow 20x + 25y = 7100$$

$$20x + 20y = 6480$$

$$\begin{array}{r} - \quad - \quad - \\ 5y = 620 \\ \Rightarrow y = 124 \end{array}$$

28. (B) $4) 2403(600.75$

$$\begin{array}{r} 24 \\ \underline{030} \\ 28 \\ \underline{20} \\ 20 \\ \underline{20} \\ \times \end{array}$$

29. (B) Number of women = $(100 - 55)\%$ of 64100

$$= 64100 \times \frac{45}{100} = 28845$$

30. (D) The length of the train = speed \times time taken of cross the signal

$$= 90 \times \frac{5}{18} \times 10 = 5 \times 5 \times 10 = 250 \text{ m}$$



K D Campus Pvt. Ltd

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

HARYANA SSC MOCK TEST - 8 (ANSWER KEY)

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