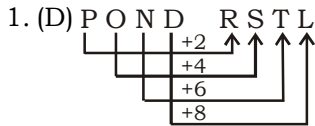
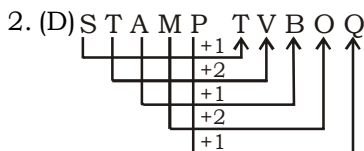
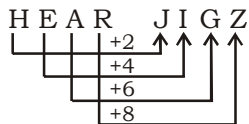


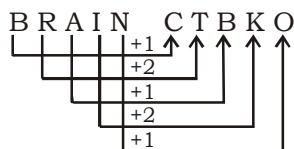
HARYANA SSC MOCK TEST-32 (Solution)



Similarly,



Similarly,



3. (D) First is made from the second.
 4. (C) All except Hammer have a pointed end
 5. (C) All except Mechanic help in building a house.
 6. (A) All except Nylon are natural fibers, while Nylon is a synthetic fibre.
 7. (C) Purchase Wash Cut Cook Serve
 4 2 5 3 1

8. (A) cabbbbcabbbbcabbbb

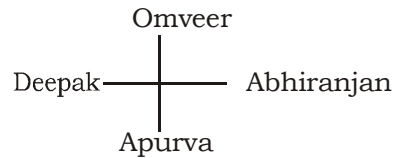


Similarly,



10. (D) Upper part
 $(5 - 5)^3 = 0$
 $(7 - 3)^3 = (4)^3 = 64$
 Lower part
 $11 - 8 = 3$
 $(3 \times 2)^2 = (6)^2 = 36$
 $8 - 2 = 6$
 $(6 \times 2)^2 = (12)^2 = \boxed{144}$

11. (B) The Gateway of India is in Mumbai. Here, Mumbai has been called Dehradun.
 12. (C)



Omveer is to the right of Abhiranjan.

13. (D)
 14. (D)
 15. (C)
 16. (D) According to question,
 Distance travelled by train :

$$= 1800 \left[1 - \left(\frac{2}{5} + \frac{1}{3} \right) \right]$$

$$= 1800 \times \frac{4}{15} = 480 \text{ km}$$

17. (C) Let speed of Boat = x km/hr.
 and speed of stream = y km/hr.
 \Rightarrow From question

$$\text{upstream speed} = x - y = \frac{1}{10/60} = 6 \dots (1)$$

downstream speed =

$$x + y = \frac{1}{6/60} = 10$$

$$\text{adding (1) \& (2)} \Rightarrow 2x = 16 \Rightarrow x = \frac{16}{2}$$

$$= 8 \text{ km/hr.}$$

$$\text{Also } y = 2 \text{ km/hr.}$$

$$\therefore \text{Speed of boat in still water} = \frac{8+2}{2}$$

$$= 5 \text{ km/hr.}$$

18. (A)
 19. (B)
 20. (B)
 21. (A)
 22. (B) If radius of wheel is r metre then from question.

$$500 \times 2\pi r - 44 \times 1000 \text{ metres}$$

$$\Rightarrow r = \frac{44 \times 1000}{2 \times \frac{22}{7} \times 500} = 14 \text{ metres}$$

23. (A) $47^{13/2} \div (47^{3/2} \times 47^2) = [47^{1/3}]^x$
 $\Rightarrow 47^{x/3} = 47^{13/2} + 47^{3/2+2}$

$$\Rightarrow 47^{x/3} = 47^{13/2} \times \frac{1}{47^{7/12}}$$

$$\Rightarrow 47^{x/3} = 47^{\frac{13}{2} - \frac{7}{12}} = 47^{6/2} = 47^3$$

$$\Rightarrow 47^{x/3} = 47^3$$

$$\Rightarrow \frac{x}{3} = 3 \Rightarrow x = 9$$

24. (C) $\frac{p+2x}{p-2x} + \frac{p+2y}{p-2y}$

$$= \frac{1}{(p-2x)(p-2y)} \times [p^2 + 2p(x-y) - 4xy + p^2 - 2p(x-y) - 4xy]$$

$$= \frac{3(p^2 - 4xy)}{(p-2x)(p-2y)}$$

Putting $P = \frac{4xy}{x+y}$

$$= \frac{2 \left[\frac{16x^2y^2}{(x+y)^2} - 4xy \right]}{\left[\frac{4xy}{x+y} - 2x \right] \left[\frac{4xy}{x+y} - 2y \right]}$$

$$= \frac{\frac{2 \times 4xy}{(x+y)^2} [4xy - (x+y)^2]}{\frac{2x}{(x+y)} [2y - (x+y)] \frac{2y}{(x+y)} [2x - (x+y)]}$$

$$= \frac{2[-x^2 - y^2 + 2xy]}{[-x+y][x-y]}$$

$$= \frac{-(x-y)^2}{-(x-y)^2} = 2$$

25. (D) For supplementary angles

$$\theta_1 + \theta_2 = 108^\circ \Rightarrow \theta_1 = \frac{\theta_2}{3}$$

Hence $\theta_1 + 3\theta_1 = 180^\circ$

$$\Rightarrow 4\theta_1 = 180^\circ \Rightarrow \theta_1 = \frac{180}{4} = 45^\circ$$

26. (C) $\left(2 - \frac{1}{3}\right) \left(2 - \frac{2}{3}\right) \left(2 - \frac{5}{7}\right) \dots \left(2 - \frac{997}{999}\right)$

$$= \frac{5}{3} \times \frac{7}{5} \times \frac{9}{7} \times \dots \times \frac{1001}{999} = \frac{1001}{3}$$

27. (C) Let the cost of 5kg tea = Rs. x
 \therefore Cost of 8 kg sugar = Rs. $(172 - x)$
 According to the question,

$$x \times \frac{120}{100} + (172 - x) \frac{110}{100} = 199.20$$

$$\Rightarrow 1.2x + 172 \times 1.1 - 1.1x = 199.20$$

$$\Rightarrow 0.1x = 199.20 - 189.20 = 10$$

$$\Rightarrow x = 100$$

\therefore Cost of 5 kg tea = ₹ 100

$$\therefore \text{Cost of tea per kg} = \frac{100}{5} = ₹ 20$$

28. (C)

29. (B) Let table's cost = x

Chair's cost = y

$$2x + 3y = 3500 \quad \dots(1)$$

$$3x + 2y = 4000 \quad \dots(2)$$

$$(1) \times 2 - (2) \times 3$$

$$4x - 9x = 3500 \times 2 - 4000 \times 3$$

$$\Rightarrow -5x = -5000$$

$$\Rightarrow x = ₹ 1000/\text{table}$$

30. (A) Number of pieces of rope

$$= \frac{51}{2} \div \frac{3}{2}$$

$$= \frac{51}{2} \times \frac{2}{3} = 17$$



K D Campus Pvt. Ltd

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

HARYANA SSC MOCK TEST - 32 (ANSWER KEY)

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

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

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