

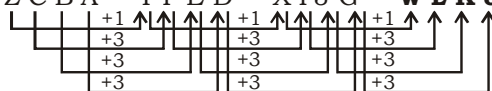
HARYANA SSC MOCK TEST - 51 (SOLUTION)

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

Explanation:

41. (A) In all others there is one vowel.

42. (D) Z C B A Y F E D X I J G **W L K J**



43. (D) Editor is responsible for preparing a magazine. Similarly, Director is responsible for making film.

44. (B) P A L E and E A R T H

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

2 1 3 4 4 1 5 9 0

Therefore, P E A R L

↓ ↓ ↓ ↓

2 4 1 5 3

45. (C) $5 + 20 + 6 + 9 = 40$
 $4 + 8 + 15 + 13 = 40$
 $9 + 15 + 7 + 9 = 40$
 $22 + 7 + 8 + x = 40$
 $\therefore x = 40 - 37 = 3$

46. (C) Water Vaporisation Cloud Condensation

3 2 5 4

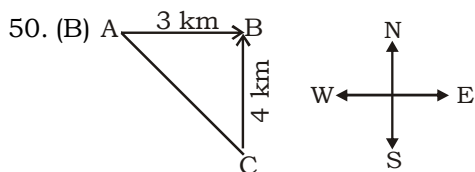
Rain

1

47. (A) cab/bdc/ecd/fde/ge

48. (A) C and D are children of A and B. B is mother of C and D. Therefore, B is sister-in-law of E.

49. (D) The age of two daughters
 $= 22 \times 2 = 44$ years
 \therefore The age of their mother
 $= 44 + 6 = 50$ years



$$AC = \sqrt{(AB)^2 + (BC)^2}$$

$$= \sqrt{(3)^2 + (4)^2} = \sqrt{9 + 16} = \sqrt{25} = 5 \text{ km}$$

51. (B) $n = 6 \times k + 4$
 $2n = 2(6k + 4)$
 $= 12k + 8$

- $= 12k + 6 + 2$
 $= 6(2k + 1) + 2$
 Remainder = 2
52. (D) $\frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72} + \frac{1}{90}$
 LCM of 20, 30, 42, 56, 72, 90 = 2520
 $= \frac{126 + 84 + 60 + 45 + 35 + 28}{2520}$
 $= \frac{378}{2520} = \frac{3}{20}$
53. (C) $0.16, \sqrt{0.16} \cdot (0.16)^2, 0.04$
 $= 0.16, 0.4, 0.0256, 0.04$
 Greatest number = $0.4 = \sqrt{0.16}$
54. (B) $\frac{A}{B} = \frac{3}{4}, \frac{B}{C} = \frac{6}{5}$
 $= \frac{3 \times 3}{4 \times 3}, = \frac{6 \times 2}{5 \times 2}$
 $= \frac{9}{12} = \frac{12}{10}$
 $\Rightarrow C : A = 10 : 9$
55. (C) Let the required number be x .
 ATQ,
 New number = 75% of 125% of x
 $= \frac{75 \times 125 \times x}{100 \times 100}$
 $= 0.9375x$
 % decrease in number
 $= \frac{(x - 0.9375x)}{x} \times 100$
 $= \frac{0.0625x}{x} \times 100$
 $= 6.25\%$
 $= 6\frac{1}{4}\%$
56. (C) Let the original price of the rice be ₹ x / kg.
 Then, new price = ₹ $0.8x$ /kg
 ATQ,
 $\frac{800}{0.8x} - \frac{800}{x} = 12.5$
 $\Rightarrow \frac{800[1 - 0.8]}{0.8x} = 12.5$
 $\Rightarrow x = \frac{800 \times 0.2}{0.8 \times 12.5} = ₹ 16/\text{kg}.$
57. (C) Relative speed = $(65 + 55)$ km/h
 $= 120$ km/h
 $= 120 \times \frac{5}{18}$

- $= \frac{100}{3} \text{ m/s}$
 Required time = $\frac{180 + 120}{\frac{100}{3}}$
 $= \frac{300}{100} \times 3$
 $= 9$ seconds
58. (D) Work done by 3 men in 2 days
 $= \frac{1}{6} \times 2 = \frac{1}{3}$ work
 Remaining work = $1 - \frac{1}{3} = \frac{2}{3}$ work
 \therefore 3 men complete 1 work in 6 days.
 \Rightarrow 1 man completes 1 work in 18 days.
 \Rightarrow 6 men complete 1 work in $\frac{18}{6} = 3$ days
 \Rightarrow 6 men completes $\frac{2}{3}$ work = $3 \times \frac{2}{3} = 2$ days
59. (C) Let 'h' be their height.
 Let ' r_1 ' and ' r_2 ' be the radii of the two cones.
 then,
 $\frac{d_1}{d_2} = \frac{3}{4}$
 $\Rightarrow \frac{2r_1}{2r_2} = \frac{3}{4}$
 $\Rightarrow \frac{r_1}{r_2} = \frac{3}{4}$
 Now,
 $\frac{v_1}{v_2} = \frac{\frac{1}{3}\pi r_1^2 h}{\frac{1}{3}\pi r_2^2 h} = \left(\frac{r_1}{r_2}\right)^2 = \frac{9}{16}$
 $\Rightarrow v_1 : v_2 = 9 : 16$
60. (C) Part of the cistern filled by pipe X in 18 minutes
 $= \frac{18}{24} = \frac{3}{4}$
 Remaining part = $1 - \frac{3}{4} = \frac{1}{4}$
 \therefore Pipe Y can fill the whole cistern in 32 minutes
 \therefore Pipe Y can fill $\frac{1}{4}$ part in $\frac{1}{4} \times 32 = 8$ min
 \Rightarrow Pipe Y should be closed after 8 minutes.