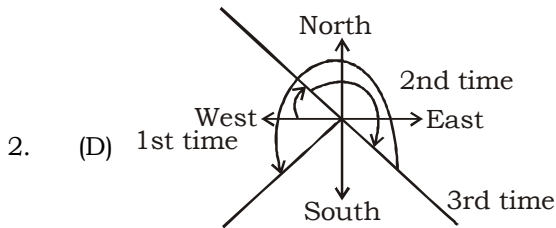


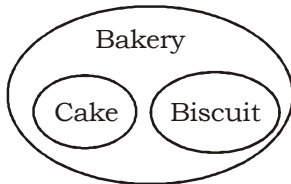
HARYANA SSC MOCK TEST-15 (Solutions)

1. (D) $15 \times 5 \div 3 + 1 - 1 \Rightarrow$ changing sign
 $15 \div 5 - 3 \times 1 + 1 = 3 - 3 + 1 = 1$



Now he is in the direction of South-West

3. (B)



4. (D)

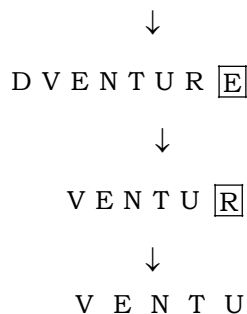
5. (A)

Place value ↓ 6	F	:	216	::	L	:	1728
↑			(6) ³		↑		(12) ³

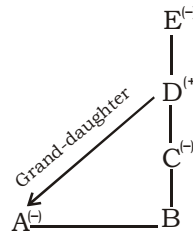
6. (D) From statement I
 The son of D is grandson of C.
 C is either father or mother of D.
 B is the child of C.
 The gender of B is not known.
 From statement II
 B is sister of D.
 From both the statements
 B is the daughter of C.

7. (B) $\boxed{a} \boxed{b} / ab / a \boxed{b} \boxed{a} / b / a \boxed{b} ab$

8. (A) $\boxed{A} D V E N T U R E$



9. (D)



10. (B)
 11. (B) TALENT

12. (C)

place value ↓	A	=	1 × 2	⇒	2
↑	B	=	2 × 2	⇒	4
place value					

Similarly,

place value ↓	L	=	12 × 2	⇒	24
↑					
place value					

place value ↓	A	=	1 × 2	⇒	2
↑					
place value					

place value ↓	D	=	4 × 2	⇒	8
↑					
place value					

place value ↓	Y	=	25 × 2	⇒	50
↑					
place value					

So, LADY = 24 + 2 + 8 + 50 = **84**

13. (C)

	L	E	A	D	E	R
	↓	↓	↓	↓	↓	↓
place value	12	5	1	4	5	18
	+8	+8	+8	+8	+8	+8
	20	13	9	12	13	26

Similarly,

	L	I	G	H	T
	↓	↓	↓	↓	↓
place value	12	9	7	8	20
	+8	+8	+8	+8	+8
	20	17	15	16	28

14. (C) $8 \times 20 \div 5 + 9 - 3 = 38$

$\Rightarrow 8 \times 4 + 9 - 3 = 38$

$\Rightarrow 32 + 9 - 3 = 38$

$\Rightarrow 41 - 3 = 38$

$\Rightarrow 38 = 38$ (correct)

15. (C) The numbers 3, 4, 5 and 6 are on the faces adjacent to the number 1.
 So, the number 2 lies opposite 1.

16. (B) Rate = $\frac{S.I \times 100}{\text{Principal} \times \text{Time}}$
 $= \frac{300 \times 100}{5000 \times 2} = 3\%$ per annum
17. (D) $3 \times 2 = 6$
 $6 \times 3 = 18$
 $18 \times 4 = 72$
 $72 \times 5 = 360$
 $360 \times 6 = 2160$
18. (D) $? = \left(\frac{81}{169}\right)^{\frac{1}{2}} = \left(\frac{169}{81}\right)^{\frac{1}{2}}$
 $= \left(\frac{13}{9}\right)^{2 \times \frac{1}{2}} = \frac{13}{9}$
19. (A) Let time taken by B be x days.
 \therefore Time taken by A = $\frac{150x}{100}$ days
 $= \frac{3x}{2}$ days
 According to the question,
 $\frac{1}{x} + \frac{2}{3x} = \frac{1}{18}$
 $\Rightarrow 3x = 18 \times 5$
 $\Rightarrow x = \frac{18 \times 5}{3} = 30$ days
20. (A) Let the numbers be x and y respectively.
 ATQ,
 $(x + y) = 4(x - y)$
 $\Rightarrow x + y = 4x - 4y$
 $\Rightarrow 5y = 3x$
 $\Rightarrow \frac{x}{y} = \frac{5}{3}$
 \therefore Numbers are (5, 3).
21. (B) S.P. of 70 kg of potato = ₹ (6.50 × 70)
 = ₹ 455
 Profit = ₹ (455 - 420) = ₹ 35
 \therefore Profit Percent = $\frac{35}{420} \times 100$
 $= \frac{25}{3} = 8\frac{1}{3}\%$
22. (B) When divided by 893 leaves
 Remainder = 193
 When divided by 47 then
 $= \frac{193}{47} = 4$, Remainder = 5

23. (A) $P = 999$
 $\sqrt[3]{999((999)^2 + 3 \times 999 + 3) + 1}$
 $\Rightarrow a = 999 \quad b = 1$
 $\Rightarrow \sqrt[3]{(999 + 1)^3} = 1000$
 $[(a + b)^3 = a^3 + b^3 + 3ab(a + b)]$
24. (C) LCM (9, 10, 15) = 90
 Given Number = 1936
 $\Rightarrow 90 \times 21 = 1890$ is divisible by 90.
 but leaves remainder 7 $\rightarrow 50 = 1897$
 $\Rightarrow 1936 - 1897 = 39$
25. (A) Let the time = t
 SI (Simple Interest) = $81 - 72 = ₹ 9$
 $9 = \frac{72 \times 25 \times T}{4 \times 100}$
 $T = \frac{9 \times 4 \times 4}{72} = 2$ years
26. (A) Let the payment is = 100
 Now according to the question
 $100 \frac{120}{100} \times \frac{80}{100} = 96$
 \Rightarrow Reduction = $100 - 96 = 4\%$ (less)
27. (D) A : B = 3 : 4
 B : C = 5 : 7
 C : D = 8 : 9
 $A : D = \frac{A}{B} \times \frac{B}{C} \times \frac{C}{D} = \frac{3}{4} \times \frac{5}{7} \times \frac{8}{9} = 10 : 21$
28. (B) Let the measures
 Length = x
 breath = y
 height (Deepness) = z
 According to the question:-
 $z = \frac{x}{3} \dots\dots\dots(1)$
 $y = (x - \frac{x}{3}) \times \frac{1}{3} \times \frac{1}{2} \Rightarrow \frac{x}{9}$
 Volume = $x \times \frac{x}{3} \times \frac{x}{9} = 216$
 $\Rightarrow x^3 = 216 \times 27$
 $= 6^3 \times 3^3$
 $x = 18$ decimeter
29. (A) Area will Increase =
 $50 + 50 + \frac{50 \times 50}{100} = 125\%$
30. (D) Cost price = $5 \times 5 = 25$
 Sale price = $6 \times 6 = 36$
 Profit % = $\frac{1}{15} + \frac{11}{25} \times 100$
 $= 44\%$



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HARYANA SSC MOCK TEST - 15 (ANSWER KEY)

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