

HARYANA SSC MOCK TEST-1 (Solutions)

1. (B) Coffee goes into a cup and soup goes into a bowl. Choices (A) and (C) are incorrect because they are other utensils. The answer is not choice (D) because the word food is too general.
2. (C) The Pattern is $-1, -2, \dots$
 \therefore Missing number = $17 - 3 = 14$.
3. (C) All except River contain stagnant water.
4. (C)

T	A	P	S	Z	O
		-1			
			-1		
				-1	

Similarly,

F	R	E	E	Z	E	E	Q	D	D	Y	D			
										-1				
											-1			
												-1		
													-1	
														-1
5. (B)
6. (A)
7. (B)
8. (D)

I. False
II. False
9. (C)
10. (B)
11. (B) Since B and D are twins. So $B = D$.
 Now $A = B + 3$ and $A = C - 3$.
 Thus, $B + 3 = C - 3 \Leftrightarrow D + 3 = C - 3 \Leftrightarrow C - D = 6$.
12. (B) Every day of the weeks is repeated after 7 days. Hence it will be Wednesday, after 94 days.
13. (C) Clearly, number of boys in the row = $(6 + 10 + 8) = 24$.
14. (D)
15. (C) In the first column, $29 - 8 = 7 \times 3 = 21$.
 In the second column, $19 - 7 = 4 \times 3 = 12$.
 Let the missing number in the third column be x .
 Then, $31 - 6 = 5 \times x$ or $5x = 25$ or, $x = 5$.
16. (B) time taken = $\frac{120m}{100m / \text{sec}} = 12$ second.
17. (A) Let that number = x

\therefore By question.

$$21x = 12x + 63$$

$$\Rightarrow 21x - 12x = 63$$

$$\Rightarrow 9x = 63$$

$$\therefore x = 7$$

18. (C) Amount becomes twice in 15 years.
 So interest will be equal to principle.

$$\therefore SI = \frac{P \times R \times T}{100}$$

$$\Rightarrow P = \frac{P \times R \times 15}{100}$$

$$R = \frac{100}{15} = 6\frac{2}{3}\%$$

19. (A) $254 \times ? \times 8 = 95504$

$$\therefore ? = \frac{95504}{254 \times 8} = 47$$

20. (A) Let cost price = x , Loss = 70%

$$\Rightarrow 30\% \text{ of } x = 400$$

$$\Rightarrow x \times \frac{30}{100} = 400$$

$$\therefore x = ₹ \frac{4000}{3}$$

21. (B) $x + y = 10$, $\frac{1}{x} + \frac{1}{y} = \frac{5}{12}$

$$\text{and } y = 10 - x$$

$$\Rightarrow \frac{x+y}{xy} = \frac{5}{12} \Rightarrow \frac{10}{xy} = \frac{5}{12}$$

$$\therefore xy = 24$$

$$\text{Now, } x(10 - x) = 24$$

$$\Rightarrow 10x - x^2 = 24$$

$$\Rightarrow x^2 - 10x + 24 = 0$$

$$\Rightarrow (x - 6)(x - 4) = 0$$

$$\therefore x = 4, 6$$

$$\therefore y = 6, 4$$

22. (B) $a : b = 2 : 3$

$$\therefore \frac{a}{b} = \frac{2}{3} \therefore \frac{a^2}{b^2} = \frac{4}{9}$$

$$b : c = 4 : 5$$

$$\Rightarrow \frac{b}{c} = \frac{4}{5} \quad \therefore \frac{b^2}{bc} = \frac{4}{5}$$

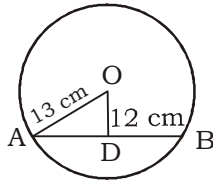
$$\therefore \frac{a^2}{b^2} = \frac{16}{36}$$

$$\text{and } \frac{b^2}{bc} = \frac{36}{45}$$

$$\therefore a^2 : b^2 : bc = 16 : 36 : 45$$

23.

(C) Given,
OA = 13 cm,
OD = 12 cm



$$\therefore AD = \sqrt{(OA)^2 - (OD)^2}$$

$$AD = \sqrt{(13\text{cm})^2 - (12\text{cm})^2}$$

$$AD = \sqrt{169\text{cm}^2 - 144\text{cm}^2}$$

$$= \sqrt{25\text{cm}^2} = 5\text{cm}$$

$$\therefore AB = 2 AD = 2 \times 5\text{cm} = 10\text{cm}$$

24.

(B) Let the both numbers are $13a$ and $13b$.

$$\therefore 13a \times 13b = 13 \times 273$$

$$\Rightarrow 13a \times 13b = 13 \times 13 \times 21$$

$$\therefore ab = 21 = 7 \times 3$$

$$\therefore a = 7, b = 3$$

$$\therefore \text{Numbers} = 13a = 13 \times 7 = 91$$

$$= 13b = 13 \times 3 = 39$$

$$\therefore \text{Sum} = 91 + 39 = 130$$

25.

$$(C) ? = 1260 \times \frac{100}{300} + \frac{755 \times 80}{100}$$

$$= 420 + 604 = 1024$$

26.

(D) Number of books
= $1085 \times 90 = 97650$

27.

(B) This is a simple division series; each number is one-half of the previous number.

In other terms to say, the number is divided by 2 successively to get the next result.

$$4/2 = 2$$

$$2/2 = 1$$

$$1/2 = 1/2$$

$$(1/2)/2 = 1/4$$

$$(1/4)/2 = 1/8 \text{ and so on.}$$

28.

(B) Let chair = C, table = T

\therefore By question,

$$3C + 4T = 5C + 3T$$

$$\Rightarrow 4T - 3T = 5C - 3C$$

$$\Rightarrow T = 2C$$

$$\Rightarrow \frac{C}{T} = \frac{1}{2}$$

\therefore Required ratio = 1 : 2

29.

(A) Let the required time = x hours.
by formula.

$$M_1 D_1 T_1 = M_2 D_2 T_2$$

$$\therefore 6 \times 10 \times 18 = 15 \times 12 \times x$$

$$\therefore x = \frac{6 \times 10 \times 18}{15 \times 12} = 6 \text{ hours.}$$

30.

(B) Let the ratio of milk and water = $x : y$

\therefore By question,

$$16.50x = 15(x + y)$$

$$\Rightarrow 16.5x - 15x = 15y$$

$$\Rightarrow 1.5x = 15y$$

$$\Rightarrow \frac{x}{y} = \frac{15}{1.5} = \frac{10}{1}$$

$$\therefore x : y = 10 : 1$$



K D Campus Pvt. Ltd

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

HARYANA SSC MOCK TEST-1 (ANSWER KEY)

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