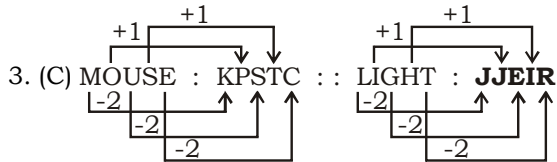


HARYANA SSC MOCK TEST-13 (Solutions)

1. (A) UNIT

2. (B)



4. (C) $4 \times 9 = 36 \Rightarrow \sqrt{36} = 6$

$$3 \times 27 = 81 \Rightarrow \sqrt{81} = 9$$

Similarly,

$$2 \times 50 = 100 \Rightarrow \sqrt{100} = 10$$

5. (B) First Figure

$$3 + 8 = 11$$

$$3 \times 8 = 24$$

Second Figure

$$5 + 4 = 9$$

$$5 \times 4 = 20$$

Third Figure

$$9 + 4 = 13$$

$$9 \times 4 = 36$$

6. (C) $\frac{5 \times 4 \times 6}{10} = 12$

$$\frac{6 \times 5 \times 7}{10} = 21; \frac{4 \times 10 \times 8}{10} = 32$$

7. (B) $D \xrightarrow{+3} G \xrightarrow{+4} K$

$$L \xrightarrow{+3} O \xrightarrow{+4} S$$

$$E \xrightarrow{+3} H \xrightarrow{+4} L$$

8. (D) C A M E L

↓ ↓ ↓ ↓ ↓
X P O G T

R A B B I T S

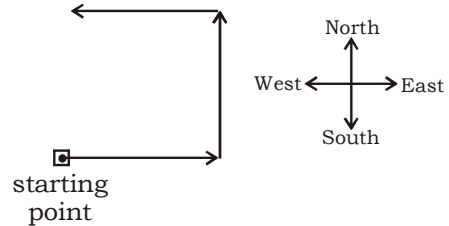
↓ ↓ ↓ ↓ ↓ ↓ ↓
Y P V V L E Z

Therefore,

A M E R I C A

↓ ↓ ↓ ↓ ↓ ↓ ↓
P O G Y L X P

9. (A)



10. (C) Eugenics Eupepsy Euphonies Euphony

4 2 3 5

Euphrasy

1

11. (D)

12. (D) All except Sun are planets, while Sun is a star.

13. (D) Except chocolate all are made from flour.

14. (C) Priti > Rahul > Yamuna = Divya > Manju > Lokita

15. (D) $24 + 16 - 8 = 32$

$$40 - 8 = 32$$

$$32 = 32 \text{ (correct)}$$

16. (A) Required answer

$$= (100 - 2.5)\% \text{ of } 300$$

$$= \frac{300 \times 97.5}{100} = 292.5$$

17. (C) Work done by (A + B) in 1 day = $\frac{1}{12}$

$$\text{Work done by (B + C) in 1 day} = \frac{1}{20}$$

$$\text{Work done by (C + A) in 1 day} = \frac{1}{15}$$

Work done by 2(A + B + C) in 1 day

$$= \frac{1}{12} + \frac{1}{20} + \frac{1}{15}$$

$$= \frac{5+3+4}{60} = \frac{12}{60} = \frac{1}{5}$$

Work done by (A + B + C) in 1 day = $\frac{1}{10}$

Hence A, B & C together complete the work in 10 days.


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18. (A) Let the number of sides be n .
According to the question,

$$\frac{2n-4}{n} \times 90^\circ = \frac{8 \times 360^\circ}{n}$$

$$\Rightarrow 2n-4 = 32 \Rightarrow 2n = 36 \Rightarrow n = 18$$

19. (B) Work done by (A + B) in 1 day = $\frac{1}{3}$

$$\text{Work done by (A + B) in 2 days} = \frac{2}{3}$$

$$\text{Remaining work} = 1 - \frac{2}{3} = \frac{1}{3}$$

Now $\frac{1}{3}$ work is completed by only A in 2 days.

$$\therefore 1 \text{ work is completed by only A in}$$

$$= 2 \times 3 = 6 \text{ days}$$

Work done by B alone in 1 day

$$= \frac{1}{3} - \frac{1}{6} = \frac{2-1}{6} = \frac{1}{6}$$

B alone can do the same work in 6 days.

20. (C) Minimum passing marks = x

$$\therefore \frac{103x}{100} = 515$$

$$\Rightarrow x = \frac{515 \times 100}{103} = 500$$

Mohan's marks = 710

\therefore Required percentage

$$= \frac{710-500}{500} \times 100$$

$$= \frac{210}{5} = 42\%$$

21. (D) Product of two co-prime numbers = 117

\therefore Co-prime numbers have no common factor other than 1.

\therefore Their LCM = 117

22. (B) $\frac{3}{4} = 0.75$; $\frac{1}{2} = 0.50$; $\frac{7}{8} = 0.875$;

$$\frac{8}{13} = 0.62$$

23. (B) MP = Rs. 12000

SP = Rs. 10500

Let $x\%$ discount is given on the MP of the table.

$$\text{Then, } \frac{12000(100-x)}{100} = 10500$$

$$\Rightarrow 100-x = \frac{10500}{120} = 87.5$$

$$\Rightarrow x = 100 - 87.5$$

$$= 12.5\%$$

24. (B) No. of total required men = x

$$\therefore \frac{7 \times 12}{1} = \frac{8x}{2} \Rightarrow x = 21$$

$$\therefore \text{No. of extra men} = 21 - 7 = 14$$

25. (A) Let P gets Rs. x .

$$\text{Share of Q} = \text{Rs. } (x+30)$$

$$\text{Share of R} = \text{Rs. } (x+30) + 60$$

$$= \text{Rs. } (x+90)$$

$$\text{Now, } P + Q + R = x + (x+30) + (x+90)$$

$$300 = 3x + 120$$

$$x = \text{Rs. } 60$$

$$\therefore P : Q : R = 60 : 90 : 150$$

$$= 2 : 3 : 5$$

26. (C) By question,

$$(50+x) = 2(22+x)$$

$$\Rightarrow 50+x = 44+2x$$

$$\Rightarrow x = 6 \text{ years.}$$

27. (C) CP of the article = $\frac{300 \times 100}{120} = \text{Rs. } 250$

$$\text{New SP} = \text{Rs. } 235$$

$$\% \text{ loss} = \frac{(250-235) \times 100}{250}$$

$$= \frac{15 \times 100}{250} = 6\%$$

28. (C) $[0.9 - \{2.3 - 3.2 - (7.1 - 5.4 - 3.5)\}]$

$$= [0.9 - \{2.3 - 3.2 + 1.8\}]$$

$$= [0.9 - 0.9] = 0$$

29. (B) Part of the tank filled by both pipes in 1 hour.

$$= \frac{1}{4} - \frac{1}{6} = \frac{6-4}{24} = \frac{1}{12} \text{ Part}$$

Hence, the tank will be filled in 12 hours.

30. (B) Let both numbers are $3x$ and $4x$.

So, the L.C.M. of both = $12x$.

$$\text{So, } 12x = 240 \therefore x = 20$$

$$\therefore \text{Smaller number} = 3x = 3 \times 20 = 60$$

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HARYANA SSC MOCK TEST - 13 (ANSWER KEY)

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