HARYANA SSC MOCK TEST-27 (Solution)

1. (D) 3265 = (3265 + 1111) = 4376
4673 = (4673 + 1111) = 5784

2. (A) B C F G : H I L M : : N O R Q : T U X W
(+6, +6, +6, +6 ; +6, +6, +6, +6)

3. (B) 583 = 5 + 8 + 3 = 16 ┐ -2
263 = 2 + 9 + 3 = 14 ┘
488 = 4 + 8 + 8 = 20 ┐ -2
3 + 7 + 8 = 18 ┘

4. (D) A (+4) B (+2) D (+4) E
M (+4) N (+2) P (+4) Q
E (+4) F (+2) H (+4) I
S (+3) T (+1) U (+3) V

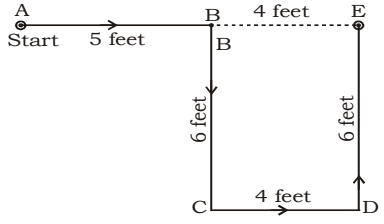
5. (C) (A) B (+3) E (B) G (+3) J
(C) N (+2) P (D) O (+3) R

6. (A) Except (A) all are programming language of computer.

7. (C)

8. (A)

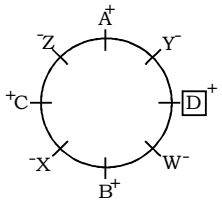
9. (B) +1 { C O L L E G E / D P M M F H F }
Similarly,
+1 { S C H O O L / T D I P P M }

10. (D)


Here, BE = CD = 4 feet
So, BE = 4feet

11. (B) RADIO

12. (A) 9 (-1) ⇒ 8 (-1) ⇒ 7
18 (-2) ⇒ 16 (-2) ⇒ 14
36 (-3) ⇒ 33 (-3) ⇒ 30

13. (C)


W & Y are adjacent to D

14. (C)

15. (D)

16. (B)

17. (A) Efficiency of P = $\frac{1}{9}$
Efficiency of Q = $\frac{1}{9} \times \frac{150}{100} = \frac{1}{6}$
∴ Q will finish the work in 6 days

18. (C) Let numbers are $3x$, $4x$
∴ $3 \times 4 \times x = 180$
⇒ $x = 15$
So, 2nd number is = $4x = 4 \times 15 = 60$

19. (B) C.P. of the article = $\frac{\text{S.P.}}{1+\frac{\%}{100}} \Rightarrow \frac{450 \times 100}{100-10}$
= ₹ 500
% gain = $\frac{540-500}{500} \times 100$
= $\frac{40 \times 100}{500} = 8\%$

20. (D) Let the current age of elder brother = x
Then,
The current age of younger brother = $x - 8$
After 10 years
Age of elder brother = $x + 10$
Age of younger brother = $x - 8 + 10 = x + 2$
ATQ,
∴ $x + 10 + x + 8 = 2(x + x - 8)$
⇒ $2x + 12 = 2(2x - 8)$
⇒ $2x + 12 = 4x - 16$
⇒ $2x = 28$
⇒ $x = 14$
So, we have
Age of elder brother = 14 years
Age of younger brother = 14 – 8 = 6 years
Required ratio = $\frac{6}{14} = 3 : 7$

21.(A) Let distance be x km

$\therefore \quad \frac{x}{5} - \frac{7}{60} = \frac{x}{6} + \frac{5}{60}$

$\Rightarrow \quad \frac{x}{5} - \frac{x}{6} = \frac{7}{60} + \frac{5}{60}$

$\Rightarrow \quad \frac{x}{30} = \frac{12}{60} \Rightarrow x = 6$ km

22.(B) We know that

$$\text{C.I.} = P\left[\left(1+\frac{r}{100}\right)^t - 1\right]$$

$\therefore \quad 378 = 1800\left[\left(1+\frac{10}{100}\right)^t - 1\right]$

$\Rightarrow \quad \frac{378}{1800} + 1 = \left(\frac{11}{10}\right)^t$

$\Rightarrow \quad \left(\frac{11}{10}\right)^t = \frac{21}{100} + 1 = \frac{121}{100} = \left(\frac{11}{10}\right)^2$

$\therefore \quad t = 2$ years

23.(B) Required Bricks $= \frac{20\times100\times100\times100 \text{ cm}^3}{25\times12.5\times8 \text{ cm}^3}$

$= 8000$

24.(A) Ratio in which money should be distributed

$= \frac{1}{4} : \frac{1}{5} : \frac{1}{6}$

$= 30 : 24 : 20$

$= 15 : 12 : 10$

$= 37$ (× 15)

Ratio in which money is distributed

$= 4 : 5 : 6$

$= 15$ (× 37)

So,Excess amount received by C

$= 37\times6 - 15\times10$

$= 222 - 150$

$= ₹\ 72$

25.(A) Average of remaining numbers

$= \frac{50\times38 - 45 - 55}{48}$

$= \frac{1900-100}{48} = 37.5$

26.(D) Winner got = 84%

Losser got = 16%

$\therefore$ Difference = 84 – 16 = 68%

$\therefore \quad 68\% = 476$

$100\% = \frac{476}{68} \times 100 = 700$

27.(C) Total number of students = $\sqrt[3]{29791} = 31$

28.(C) Let after t year, population be equal

$\therefore \quad 136000 - 2400t = 84000 + 1600t$

$4000t = 52000$

$t = 13$ years

29.(C) $\because$ Diameter is being doubled, then area will be 4 times

So, it will take to empty the same tank

$= \frac{40}{4} = 10$ minutes.

30.(D) Let, Sameer speed in still water = x km/hr

$\therefore \quad \frac{D}{x+12} = 24$

$D = 24(x + 12)$ ...(i)

$\frac{D}{x-12} = 36$

$D = 36(x - 12)$ ...(ii)

$\therefore \quad 24(x + 12) = 36(x - 12)$

$2(x + 12) = 3(x - 12)$

$2x + 24 = 3x - 36$

$x = 60$ km/hr

HARYANA SSC MOCK TEST - 27 (ANSWER KEY)

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

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