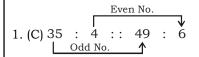
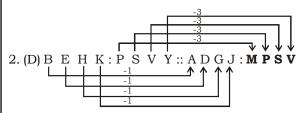


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HARYANA SSC MOCK TEST-18 (Solutions)





3. (B) Z Y X W: M L K J:: R Q P O: E D C B
$$\stackrel{-1}{\smile}$$
 D C B

- 4. (D) 7: 36 = 3 + 6 \Rightarrow 9 2 Similarly using options 8: 64 = 6 + 4 \Rightarrow 10 - 2 = **8** so, 7: 36::8:64
- 5. (D) Except Eng all are name of work.
- 6. (A) Except QRP all contain middle letter as a vowel.

- 8. (C) $\frac{\text{Tutor}}{1} \frac{\text{Umbrella}}{5} \frac{\text{Verify}}{3} \frac{\text{Wonder}}{2} \frac{\text{Xylophone}}{4}$
- 9. (D) 500 484 459 423 374 $-(4)^2$ \uparrow $-(5)^2$ \uparrow $-(6)^2$ \uparrow $-(7)^2$ \uparrow
- 10. (B) MNOP/WXYZ/RSTU/BCDE
- 11. (D)

Similarly, TANK V V V V 7859

- 13. (B) Colour of blood is red. Here Blue means Red so colour of Blood is Blue
- 14. (B) Common section of urban and corrupt people are 9
- 15. (B)
- 16. (B) The man had 25 oranges left.

As one extra orange was given to the fourth customer

So, oranges given to fourth customer = 25 + 1 = 26

Stock before the fourth customer = 2(25 + 1) = 52

Accordingly stock before the third customer = 2(52 + 1) = 106

Similarly stock before the second customer = 2(106 + 1) = 214

So, Stock before the first customer = 2(214 + 1) = 430

Thus the man had 430 oranges in beginning.

17. (A)
$$\frac{\sqrt{1}, x, \sqrt{1.x}}{\sqrt{1}, x. \sqrt{1.x}} \approx \frac{\sqrt{1}, x, \sqrt{1.x}}{\sqrt{1}, x, \sqrt{1.x}}$$

$$=\frac{(\sqrt{1}, x)^2, (\sqrt{1} x)^2, 2\sqrt{1} x^2}{(\sqrt{1}, x)^2. (\sqrt{1} x)^2}$$

$$= \frac{1, x, 1. x, 2\sqrt{1. x^2}}{1, x. 1, x}$$

$$= \frac{2 \cdot 2\sqrt{1 \cdot x^2}}{2x} = \frac{1 + \sqrt{1 - x^2}}{x}$$

Put
$$x = \sqrt{3}/2$$

G.E. =
$$\frac{1, \sqrt{1 \cdot \frac{3}{4}}}{\sqrt{3}/2} = \frac{\frac{3}{2}}{\sqrt{3}/2} = \sqrt{3}$$

18. (A) Net % change in area = P_1 , P_2 , $\left|\frac{P_1P_2}{100}\right|$

$$= 4.5, \frac{4(.5)}{100}$$

$$= 4.5.\frac{1}{5} = \frac{.6}{5}\%$$

19. (B) Suppose the batsman played 'x' innings in beginning

Total score in x innings = 21.75x

Total score in next 3 innings = 28 + 34 + 37 = 99

Total score of (x + 3) innings = 21.75x + 99

New average = 21.75 + 1.125 = 22.875 Total score = New average × Total innings

$$21.75x + 99 = (x + 3) \times 22.875$$

$$22.875x - 21.75x = 99 - 68.625$$

$$1.125x = 30.375$$

$$x = 30$$

Total number of innings played = x + 3 = 30 + 3 = 33



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20. (B)
$$A + B + C = 800 \dots (1)$$

$$\frac{3}{5}$$
A + 50 = $\frac{4}{9}$ B + 20 = $\frac{5}{19}$ C + 40 = K (say)

$$A = \frac{5}{3} (K - 50)$$

$$B = \frac{9}{4}(K - 20)$$

$$C = \frac{19}{5}(K-40)$$

Putting in equation (1)

$$\frac{5}{3}$$
 (K - 50) + $\frac{9}{4}$ (K - 20) + $\frac{19}{5}$ (K - 40) = 800

$$K \left| \frac{5}{3}, \frac{9}{4}, \frac{19}{5} \right| \cdot \frac{250}{3} \cdot 45 \cdot 152 = 800$$

$$\frac{463}{60}K = \frac{3241}{3}$$

$$K = 140$$

B's share =
$$\frac{9}{4}$$
 (K – 20) = $\frac{9}{4}$ × 120 = 270

21. (C) Simple Interest earned in 10 years = 100% For a sum to become 4 times, interest

earned = 300%

100% SI is earned in 10 years 300% SI will be earned in 30 years

22. (B) Amount of water flowing in 1 minute = $k(d)^2$

Amount of water filled by largest pipe in 1

minute =
$$k(2)^2 = \frac{1}{61}$$

$$\Rightarrow$$
 k = $\frac{1}{61 \times 4}$

Amount of water filled by pipe of diameter 1 cm in 1 minute = $k(1)^2 = k$

Amount of water filled by pipe of diameter

$$1\frac{1}{3}$$
 cm in 1 minute = $k \left| \frac{16}{9} \right|$

Amount of water filled by all the 3 pipes in

1 minute =
$$\frac{1}{61}$$
, k , $k \mid \frac{16}{9} \mid$

$$=\frac{1}{61}, \frac{1}{61 \times 4}, \frac{1 \times 16}{61 \times 4 \times 9}$$

$$=\frac{1}{36}$$

⇒ cistern will be full in 36 minutes.

23. (B) A takes $\frac{1}{3}$ of the time taken by B.

A takes $\frac{2}{3}$ less time than B.

$$\frac{2}{3}$$
 (time by B) = 10 days

Time taken by B = $\frac{3 \times 10}{2}$ = 15 days

24. (B) Distance travelled by the train in 12 minutes 30 seconds = Distance Travelled by the

sound in 30 seconds

Distance travelled by train in $12\frac{1}{2}$ min = 330 × 30 metres.

Speed of train =
$$\frac{330 \times 30}{12\frac{1}{2} \times 60} \times \frac{18}{5} = \frac{1188}{25}$$

$$= 47 \frac{13}{25} \, \text{km/hr}$$

25. (B) Let Arvind's age be x years. Then his father's age = 4x years 4x - 5 = 7(x - 5) or 3x = 30 or x = 10 Arvind's father's age is 40 years.

26. (B)
$$(0.04)^{-1.5} = \frac{1}{(0.004)^{1.5}} > \frac{1}{(0.2)^{2\omega^{\frac{3}{2}}}}$$

$$=\frac{1}{0.008}=125$$

27(C)
$$5\frac{1}{2}$$
, $6\frac{2}{3}$, $4\frac{3}{4}$. $8\frac{4}{5}$

$$=\frac{11}{2}, \frac{20}{3}, \frac{19}{4}. \frac{44}{5}$$

$$= = \frac{487}{60} = 11\frac{7}{60}$$

28. (A) ATQ, saving =
$$3000 - \frac{60}{100} \times 3000$$

$$P \times \frac{2}{5} = \frac{P \times 8 \times t}{100}$$

$$\downarrow \quad t = \frac{2 \times 100}{5 \times 8}$$

$$t = 5$$
 years



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HARYANA SSC MOCK TEST - 18 (ANSWER KEY)

1.	(C)	
2.	(D)	
3.	(B)	
4.	(D)	
5.	(D)	
6.	(A)	
7.	(C)	
8.	(C)	
9.	(D)	
10.	(B)	
11.	(D)	
12.	(C)	
13.	(B)	
14.	(B)	
15.	(B)	
16.	(B)	
17.	(A)	
18.	(A)	
19.	(B)	
20.	(B)	
21.	(C)	
22.	(B)	
23.	(B)	
24.	(B)	

25. (B)

26.	(B)
27.	(C)
28.	(A)
29.	(C)
30.	(B)
31.	(A)
32.	(A)
33.	(A)
34.	(B)
35.	(C)
36.	(B)
37.	(B)
38.	(B)
39.	(A)
40.	(C)
41.	(A)
42.	(C)
43.	(B)
44.	(C)
45.	(A)
46.	(B)
47.	(C)
48.	(B)
49.	(B)
50.	(B)

51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66.	(A) (B) (A) (C) (D) (C) (C) (C) (B) (D) (A) (B) (C) (B) (D)	
	` '	
	` '	
	` '	
	` '	
	• •	
	` '	
68.	(C)	
69.	(C)	
70.	(C)	
71.	(A)	
72.	(B)	
73.	(A)	
74.	(D)	
75.	(B)	

76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 90. 91. 92. 93. 94. 95.	(D) (B) (C) (D) (A) (D) (C) (C) (B) (D) (B) (A) (C) (B) (B) (C) (C) (B) (C) (C) (B) (C) (C) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C
94.	(B)
	(C)
97. 98. 99.	(A) (B) (B)
100.	(D)