

Book For
State Bank Of India



SBI Officer Reasoning Sample For Pre Exam



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(1) 625, 5, 125, 25, 25, ?, 5

- [A] 5
- [B] 25
- [C] 125
- [D] 625

Answer : [C]

Explanation:

The given sequence is a combination of two series :

I. 625, 125, 25, 5 and II. 5, 25, ?

The pattern in I is $\div 5$, while that in II is $\times 5$. So, missing term = $25 \times 5 = 125$.

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(2) 20, 20, 19, 16, 17, 13, 14, 11, ?, ?

- [A] 10, 10
- [B] 10, 11
- [C] 13, 14
- [D] 13, 16

Answer : [A]

Explanation:

Let the missing terms of the series be x_1 and x_2 .

Thus, the sequence 20, 20, 19, 16, 17, 13, 14, 11, x_1 , x_2 is a combination of two series :

I. 20, 19, 17, 14, x_1 and II. 20, 16, 13, 11, x_2

The pattern in I is - 1, - 2, - 3,.....So, missing term, $x_1 = 14 - 4 = 10$.

The pattern in II is - 4, - 3, - 2,.....So, missing term, $x_2 = 11 - 1 = 10$.

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(3) 2, 8, 16, 128, ?

- [A] 2042
- [B] 2046
- [C] 2048
- [D] 2056

Answer : [C]

Explanation:

Each term in the series, except the first two terms, is the product of the preceding two terms.

So, missing term = $16 \times 128 = 2048$.

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(4) T, R, P, N, L, ?, ?

- [A] J, G
- [B] J, H
- [C] K, H
- [D] K, I

Answer : [B]

Explanation:



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(5) Z, Y, X, U, T, S, P, O, N, K, ?, ?

[A] H,G

[B] H, I

[C] I,H

[D] J, I

Answer : [D]

Explanation:



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(6) Arrange the words given below in a meaningful sequence.

1. Poverty 2. Population 3. Death

4. Unemployment 5. Disease

[A] 2, 3, 4, 5, 1

[B] 3, 4, 2, 5, 1

[C] 2, 4, 1, 5, 3

[D] 1, 2, 3, 4, 5

Answer : [C]

Explanation:

The correct order is :

Population Unemployment Poverty Disease Death

2 4 1 5 3

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(7) Arrange the words given below in a meaningful sequence.

1. Key 2. Door 3. Lock

4. Room 5. Switch on

[A] 5, 1, 2, 4, 3

[B] 4, 2, 1, 5, 3

[C] 1, 3, 2, 4, 5

[D] 1, 2, 3, 5, 4

Answer : [C]

Explanation:

The correct order is :

Key Lock Door Room Switch on

1 3 2 4 5

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(8) Arrange the words given below in a meaningful sequence.

1. Heel 2. Shoulder 3. Skull 4. Neck 5. Knee

6. Chest 7. Thigh 8. Stomach 9. Face 10. Hand

[A] 3, 4, 7, 9, 2, 5, 8, 10, 6, 1

[B] 3, 9, 4, 2, 10, 6, 8, 7, 5, 1

[C] 2, 4, 7, 10, 1, 5, 8, 9, 6, 3

[D] 4, 7, 10, 1, 9, 6, 2, 5, 8, 3

Answer : [B]

Explanation:

The correct order is :

(9) Arrange the words given below in a meaningful sequence.

1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction

[A] 3, 5, 1, 4, 2

[B] 3, 5, 4, 2, 1

[C] 5, 3, 1, 2, 4

[D] 5, 3, 4, 1, 2

Answer : [A]

(10) Arrange the words given below in a meaningful sequence.

1. Foetus 2. Child 3. Baby 4. Adult 5. Youth

[A] 1, 2, 4, 3, 5

[B] 1, 3, 2, 5, 4

[C] 2, 3, 5, 4, 1

[D] 5, 4, 2, 3, 1

Answer : [B]

(11) A man walks 5 km toward south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?

[A] West

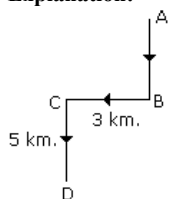
[B] South

[C] North-East

[D] South-West

Answer : [D]

Explanation:



Hence required direction is South-West.

(12) Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

[A] South-East

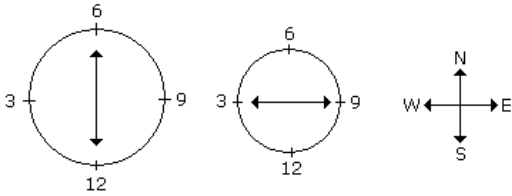
[B] South

[C] North

[D] West

Answer : [D]

Explanation:



At 9.15 P.M., the minute hand will point towards west.

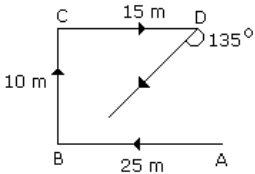
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(13) P started from his house towards west. After walking a distance of 25 m. He turned to the right and walked 10 m. He then again turned to the right and walked 15 m. After this he is to turn right at 135° and to cover 30 m. In which direction should he go?

- [A] West
- [B] South
- [C] South-West
- [D] South-East

Answer : [C]

Explanation:



Hence he should go in the South-West direction.

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(14) One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?

- [A] East
- [B] West
- [C] South
- [D] Data inadequate

Answer : [C]

Explanation:

Sun rises in the east. So the shadow of a man will always falls towards the west. Since the shadow of Stephen is to the right of Vimal. Hence Vimal is facing towards South.

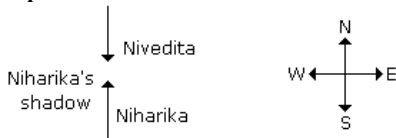
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(15) One morning after sunrise Nivedita and Niharika were talking to each other face to face at Dalphin crossing. If Niharika's shadow was exactly to the right of Nivedita, Which direction Niharika was facing?

- [A] North
- [B] South
- [C] East
- [D] Data is inadequate

Answer : [A]

Explanation:



In the morning sun rises in the East. Hence then any shadow falls in the West. Since Nikharia's shadow was exactly to the right of Nivedita. Hence Nikharia is facing towards North.

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(16) There are deer and peacocks in a zoo. By counting heads they are 80. The number of their legs is 200. How many peacocks are there ?

- [A] 20
- [B] 30
- [C] 50
- [D] 60

Answer : [D]

Explanation:

Let x and y be the number of deer and peacocks in the zoo respectively. Then,

$$x + y = 80 \dots(i) \text{ and}$$

$$4x + 2y = 200 \text{ or } 2x + y = 100 \dots(ii)$$

Solving (i) and (ii), we get $x = 20$, $y = 60$.

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(17) In a class, there are 18 boys who are over 160 cm tall. If these constitute three-fourths of the boys and the total number of boys is two-thirds of the total number of students in the class, what is the number of girls in the class ?

- [A] 6
- [B] 12
- [C] 18
- [D] 24

Answer : [B]

Explanation:

Let the number of boys be x. Then, $(3/4)x = 18$ or $x = 18 \times (4/3) = 24$.

If total number of students is y, then $(2/3)y = 24$ or $y = 24 \times (3/2) = 36$.

Therefore Number of girls in the class = $(36 - 24) = 12$.

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(18) In a cricket match, five batsmen A, B, C, D and E scored an average of 36 runs. D Scored 5 more than E; E scored 8 fewer than A; B scored as many as D and E combined; and B and C scored 107 between them. How many runs did E score ?

- [A] 62
- [B] 45
- [C] 28
- [D] 20

Answer : [D]

Explanation:

Total runs scored = $(36 \times 5) = 180$.

Let the runs scored by E be x.

Then, runs scored by D = $x + 5$; runs scored by A = $x + 8$;

runs scored by B = $x + x + 5 = 2x + 5$;

runs scored by C = $(107 - B) = 107 - (2x + 5) = 102 - 2x$.

So, total runs = $(x + 8) + (2x + 5) + (102 - 2x) + (x + 5) + x = 3x + 120$.

Therefore $3x + 120 = 180 \Leftrightarrow 3x = 60 \Leftrightarrow x = 20$.

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(19) David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time, Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue travelling at these rates, then at which floor will their paths cross ?

- [A] 19
- [B] 28

[C] 30

[D] 37

Answer : [C]

Explanation:

Suppose their paths cross after x minutes.

$$\text{Then, } 11 + 57x = 51 - 63x \Leftrightarrow 120x = 40 \Leftrightarrow x = \frac{1}{3}.$$

$$\text{Number of floors covered by David in } \frac{1}{3} \text{ min.} = \left(\frac{1}{3} \times 57\right) = 19.$$

So, their paths cross at $(11 + 19)$ th i.e. 30th floor.

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(20) A number consists of two digits whose sum is 11. If 27 is added to the number, then the digits change their places. What is the number ?

[A] 47

[B] 65

[C] 83

[D] 92

Answer : [A]

Explanation:

Let the ten's digit be x . Then, unit's digit = $(11 - x)$.

So, number = $10x + (11 - x) = 9x + 11$.

Therefore $(9x + 11) + 27 = 10(11 - x) + x \Leftrightarrow 9x + 38 = 110 - 9x \Leftrightarrow 18x = 72 \Leftrightarrow x = 4$.

Thus, ten's digit = 4 and unit's digit = 7.

Hence, required number = 47.

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