

Book For
Central Warehousing Corporation



CWC Superintendent (General) Reasoning Sample Paper



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(1) In the series 10, 17, 24, 31, 38,.....which of the following will be a number of the series ?

- [A] 48
- [B] 346
- [C] 574
- [D] 1003

Answer : [B]

Explanation:

The given series consists of numbers each of which, on dividing by 7, leaves a remainder 3. No other number except 346 satisfies the property.

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(2) 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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(3) 10, 100, 200, 310, ?

- [A] 400
- [B] 410
- [C] 420
- [D] 430

Answer : [D]

Explanation:

The pattern is $+ 90 + 100 + 110, \dots$

So, missing term = $310 + 120 = 430$.

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(4) AB, DEF, HIJK, ?, STUVWX

- [A] LMNO
- [B] LMNOP
- [C] MNOPQ
- [D] QRSTU

Answer : [C]

Explanation:

The number of letters in the terms of the given series increases by one at each step.

The first letter of each term is two steps ahead of the last letter of the preceding term.

However, each term consists of consecutive letters in order.

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(5) _ nmmn _ mmmn _ mmmn _

- [A] nmmn

[B] mnm

[C] nmm

[D] nmm

Answer : [C]

Explanation:

The series is nmm/nmn/nmm/nmm. Thus, the pattern 'nmm' is repeated.

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(6) If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

[A] Q - N + M x P

[B] P + S x N - Q

[C] P - M + N x Q

[D] Q - S % P

Answer : [C]

Explanation:

P - M → P is the brother of M

M + N → M is the mother of N

N x Q → N is the sister of Q

Therefore, P is the maternal uncle of Q.

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(7) Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

[A] Brother

[B] Uncle

[C] Cousin

[D] Father

Answer : [D]

Explanation: The boy in the photograph is the only son of the son of Suresh's mother i.e., the son of Suresh. Hence, Suresh is the father of boy.

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(8) Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?

[A] Sister

[B] Grandmother

[C] Mother-in-law

[D] Mother

Answer : [D]

Explanation:

Daughter of Abhijit's brother → niece of Abhijit. Thus the granddaughter of the woman is Abhijit's niece.

Hence, the woman is the mother of Abhijit.

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(9) Pointing a photograph X said to his friend Y, "She is the only daughter of the father of my mother." How X is related to the person of photograph?

[A] Daughter

[B] Son

[C] Nephew

[D] Cannot be decided

Answer : [B]

Explanation:

'The only daughter of the father of X's mother' means mother of X.

Hence X is the son of the lady in the photograph.

Note: Still have doubt like "How X is a male?" - [Let's see the discussions.](#)

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(10)

1. A3P means A is the mother of P
2. A4P means A is the brother of P
3. A9P means A is the husband of P
4. A5P means A is the daughter of P

Which of the following means that K is the mother-in-law of M?

[A] M9N3K4J

[B] M9N5K3J

[C] K5J9M3N

[D] K3J9N4M

Answer : [B]

Explanation:

M9N → M is the husband of N

N5K → N is the daughter of K

Hence, → M is the son-in-law of K

K3J → K is the mother of J

Hence, → K is a lady

Hence, → K is the mother-in-law of M.

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(11) A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was

[A] 8

[B] 12

[C] 16

[D] 24

Answer : [A]

Explanation:

Let the number of persons be x . Then,

$$\frac{96}{x-4} - \frac{96}{x} = 4 \Leftrightarrow \frac{1}{x-4} - \frac{1}{x} = \frac{4}{96} \Leftrightarrow \frac{x-(x-4)}{x(x-4)} = \frac{1}{24}$$

$$\Leftrightarrow x^2 - 4x - 96 = 0 \Leftrightarrow (x-12)(x+8) = 0 \Leftrightarrow x = 12.$$

So, required number = $x - 4 = 8$.

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(12) 12 year old Manick is three times as old as his brother Rahul. How old will Manick be when he is twice as old as Rahul ?

[A] 14 years

[B] 16 years

[C] 18 years

[D] 20 years

Answer : [B]

Explanation:

Manick's present age = 12 years, Rahul's present age = 4 years.

Let Manick be twice as old as Rahul after x years from now.

Then, $12 + x = 2(4 + x) \Leftrightarrow 12 + x = 8 + 2x \Leftrightarrow x = 4$.

Hence, Manick's required age = $12 + x = 16$ years.

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(13) Today is Varun's birthday. One year, from today he will be twice as old as he was 12 years ago. How old is Varun today ?

[A] 20 years

[B] 22 years

[C] 25 years

[D] 27 years

Answer : [C]

Explanation:

Let Varun's age today = x years.

Then, Varun's age after 1 year = $(x + 1)$ years.

Therefore $x + 1 = 2(x - 12) \Leftrightarrow x + 1 = 2x - 24 \Leftrightarrow x = 25$.

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(14) 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.

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

Number of floors covered by David in $\frac{1}{3}$ 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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(15) An enterprising businessman earns an income of Re. 1 on the first day of his business. On every subsequent day, he earns an income which is just double of that made on the previous day. On the 10th day of business, his income is

[A] Rs. 2^9

[B] Rs. 2^{10}

[C] Rs. 10

[D] Rs. 10^2

Answer : [A]

Explanation:

Income on the first day = Re. 1.

Income on the 2nd day = Rs. $(1 \times 2) = \text{Rs. } 2^1$.

Income on the 3rd day = Rs. $(2^1 \times 2) = \text{Rs. } 2^2$ and so on. Thus, Income on the n th day = Rs. 2^{n-1} .

Therefore Income on the 10th day = Rs. 2^9 .

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(16) Letter : Word

[A] Page : Book

[B] Product : Factory

[C] Club : People

[D] Home work : School

Answer : [A]

Explanation: As Word is a group of letters similarly Book is a group of papers.

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(17) Scales : Fish

[A] Bear : Fur

[B] Woman : Dress

[C] Skin : Man

[D] Tree : Leaves

Answer : [C]

Explanation: As scales form an outer layer of fish similarly skin form an outer layer of man.

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(18) Wrestling, Karate, Boxing

[A] Pole-vault

[B] Swimming

[C] Judo

[D] Polo

Answer : [C]

Explanation: These are all defensive games.

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(19) 'Reading' is related to 'knowledge' in the same way as 'Work' is related to:

[A] Money

[B] Employment

[C] Experience

[D] Engagement

Answer : [C]

Explanation: As 'Knowledge' is achieved by 'Reading' in the same way 'Experience' is achieved by 'Work'.

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(20) 'Horse' is related to 'Hoof' in the same way as 'Eagle' is related to:

[A] Clutch

[B] Leg

[C] Foot

[D] Claw

Answer : [D]

Explanation: As the foot of the 'Horse' is called 'Hoof' in the same way the foot of the 'Eagle' is called 'Claw'.

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