

Book For
General Insurance Corporation of India



GIC Officer (Generalist) Reasoning Sample Paper



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(1) In the series 2, 6, 18, 54, what will be the 8th term ?

[A] 4370

[B] 4374

[C] 7443

[D] 7434

Answer : [B]

Explanation:

Clearly, $2 \times 3 = 6$, $6 \times 3 = 18$, $18 \times 3 = 54$,.....

So, the series is a G.P. in which $a = 2$, $r = 3$.

Therefore 8th term = $ar^{8-1} = ar^7 = 2 \times 3^7 = (2 \times 2187) = 4374$.

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(2) 2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?

[A] 9

[B] 10

[C] 11

[D] 12

Answer : [B]

Explanation:

The given sequence is a combination of three series :

I. 1st, 4th, 7th, 10th, 13th terms i.e. 2, 4, 6, 8, ?

II. 2nd, 5th, 8th, 11th terms i.e. 1, 4, 7, 10

III. 3rd, 6th, 9th, 12th terms i.e. 2, 5, 8, 11

Clearly, I consists of consecutive even numbers. So, the missing term is 10.

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(3) 90, 180, 12, 50, 100, 200, ?, 3, 50, 4, 25, 2, 6, 30, 3

[A] 150

[B] 175

[C] 225

[D] 250

Answer : [A]

Explanation:

Clearly, $90 = 30 \times 3$, $180 = 6 \times 30$, $12 = 2 \times 6$, $50 = 25 \times 2$, $100 = 4 \times 25$, $200 = 50 \times 4$.

So, missing term = $3 \times 50 = 150$.

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(4) 8, 14, 26, 48, 98, 194, 386

[A] 14

[B] 48

[C] 98

[D] 194

Answer : [B]

Explanation:

The correct pattern is $x^2 - 2$.

So, 48 is wrong and must be replaced by $(26 \times 2 - 2)$ i.e. 50.

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(5) 10, 26, 74, 218, 654, 1946, 5834

- [A] 26
- [B] 74
- [C] 218
- [D] 654

Answer : [D]

Explanation:

The correct pattern is $\times 3 - 4$.
So, 654 is wrong and must be replaced by $(218 \times 3 - 4)$ i.e. 650.

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(6) 46080, 3840, 384, 48, 24, 2, 1

- [A] 384
- [B] 48
- [C] 24
- [D] 2

Answer : [C]

Explanation:

The correct pattern is $\div 12, \div 10, \div 8, \div 6, \dots$
So, 24 is wrong and must be replaced by $(48 \div 6)$ i.e. 8.

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(7) 325, 259, 202, 160, 127, 105, 94

- [A] 94
- [B] 127
- [C] 202
- [D] 259

Answer : [C]

Explanation:

The correct pattern is $- 66, - 55, - 44, - 33, - 22, - 11$.
So, 202 is wrong and must be replaced by $(259 - 55)$ i.e. 204.

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(8) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- [A] Brother
- [B] Nephew
- [C] Uncle
- [D] Son-in-law

Answer : [A]

Explanation: The father of the boy's uncle \rightarrow the grandfather of the boy and daughter of the grandfather \rightarrow sister of father.

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(9) If A + B means A is the father of B; A - B means A is the brother B; A % B means A is the wife of B and A x B means A is the mother of B, which of the following shows that M is the maternal grandmother of T?

- [A] $M \times N \% S + T$
- [B] $M \times N - S \% T$
- [C] $M \times S - N \% T$

[D] M x N x S % T

Answer : [A]

Explanation:

M x N → M is the mother of N

N % S → N is the wife of S

and S + T → is the father of T.

Hence, M is the maternal grandmother of T.

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(10) Pointing to a photograph. Bajpai said, "He is the son of the only daughter of the father of my brother." How Bajpai is related to the man in the photograph?

[A] Nephew

[B] Brother

[C] Father

[D] Maternal Uncle

Answer : [D]

Explanation: The man in the photo is the son of the sister of Bajpai. Hence, Bajpai is the maternal uncle of the man in the photograph.

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(11) Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

[A] Son

[B] Brother

[C] Cousin

[D] Brother-in-law

Answer : [B]

Explanation: Father's wife → mother. Hence, the daughter of the mother means sister and sister's younger brother means brother. Therefore, the boy is the brother of Deepak.

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(12)

1. **B5D means B is the father of D.**
2. **B9D means B is the sister of D.**
3. **B4D means B is the brother of D.**
4. **B3D means B is the wife of D.**

Which of the following means F is the mother of K?

[A] F3M5K

[B] F5M3K

[C] F9M4N3K

[D] F3M5N3K

Answer : [A]

Explanation:

F3M → F is the wife of M

M5K → M is the father of K

Therefore, F is the mother of K.

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(13)

1. $A * B$ means A is the sister of B
2. $A \$ B$ means B is the mother of A
3. $A + B$ means A is the brother of B
4. $A = B$ means B is the father of A.

Which of the following means M is the maternal uncle of N?

- [A] $M = P + Q * N$
 [B] $N + P = Q * M$
 [C] $N * P \$ Q * M$
 [D] None of these

Answer : [D]

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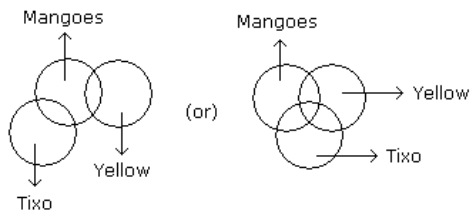
(14) Statements: Some mangoes are yellow. Some tixo are mangoes.

Conclusions:

- I. Some mangoes are green.
- II. Tixo is a yellow.

- [A] Only (1) conclusion follows
 [B] Only (2) conclusion follows
 [C] Either (1) or (2) follows
 [D] Neither (1) nor (2) follows
 [E] Both (1) and (2) follow

Answer : [D]



Explanation: None of the two follows.

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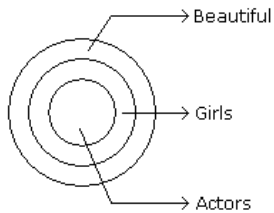
(15) Statements: All the actors are girls. All the girls are beautiful.

Conclusions:

- I. All the actors are beautiful.
- II. Some girls are actors.

- [A] Only (1) conclusion follows
 [B] Only (2) conclusion follows
 [C] Either (1) or (2) follows
 [D] Neither (1) nor (2) follows
 [E] Both (1) and (2) follow

Answer : [E]



Explanation: Both (1) and (2) follows.

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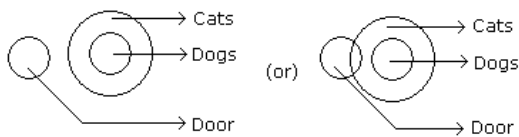
(16) Statements: No door is dog. All the dogs are cats.

Conclusions:

- I. No door is cat.
- II. No cat is door.
- III. Some cats are dogs.
- IV. All the cats are dogs.

- [A] Only (2) and (4)
- [B] Only (1) and (3)
- [C] Only (3) and (4)
- [D] Only (3)
- [E] All the four

Answer : [D]



Explanation: Only (3) follows.

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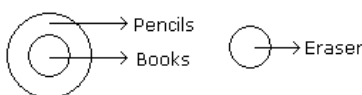
(17) Statements: All the books are pencils. No pencil is eraser.

Conclusions:

- I. All the pencils are books.
- II. Some erasers are books.
- III. No book is eraser.
- IV. Some books are erasers.

- [A] Only (3)
- [B] Only (1) and (3)
- [C] Only (1) and (2)
- [D] Only (2) and (3)
- [E] Only (3) and (4)

Answer : [A]



Explanation: Only (3) follows.

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(18) Statements: All the goats are tigers. All the tigers are lions.

Conclusions:

- I. All the goats are lions.
- II. All the lions are goats.
- III. Some lions are goats.
- IV. Some tigers are goats.

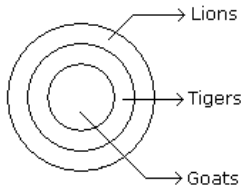
[A] All the four

[B] Only (1), (2) and (3)

[C] Only (1), (3) and (4)

[D] Only (2), (3) and (4)

Answer : [C]



Explanation: Only (1), (3) and (4) follows.

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(19) A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting ?

[A] Between B and D

[B] Between B and C

[C] Between E and D

[D] Between C and E

Answer : [B]

Explanation:



Therefore, A is sitting in between B and C.

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(20) There are 8 houses in a line and in each house only one boy lives with the conditions as given below:

- I. Jack is not the neighbour Siman.
- II. Harry is just next to the left of Larry.
- III. There is at least one to the left of Larry.
- IV. Paul lives in one of the two houses in the middle.
- V. Mike lives in between Paul and Larry.

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statement is not correct ?

[A] Robert is not at the left end.

[B] Robert is in between Simon and Taud.

[C] Taud is in between Paul and Jack.

[D] There are three persons to the right of Paul.

Answer : [C]

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