Book For

Bharatiya Reserve Bank Note Mudran Private Limited

BRBNMPL Assistant Manager Reasoning Sample Paper

(1) 589654237, 89654237, 8965423, 965423, ?

[A] 58965

[B] 65423

[C] 89654

[D] 96542

Answer : [D]

Explanation:
The digits are removed one by one from the beginning and the end in order alternately
so as to obtain the subsequent terms of the series.

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(2) 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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(3) 1, 2, 6, 7, 21, 22, 66, 67, ?

[A] 70

[B] 134

[C] 201

[D] 301

Answer : [C]

Explanation:
The pattern is + 1, x 3, + 1, x 3, + 1, x 3, + 1,.....
So, missing term = 67 x 3 = 201.

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(4) 8, 28, 116, 584, ?

[A] 1752

[B] 3502

[C] 3504

[D] 3508

Answer : [D]

Explanation:
The pattern is x 3 + 4, x 4 + 4, x 5 + 4,.....
So, missing term = 584 x 6 + 4 = 3508.

(5) 45, 54, 47, ?, 49, 56, 51, 57, 53

[A] 48

[B] 50

[C] 55

[D] None of these

Answer : [C]

Explanation:
The given sequence is a combination of two series:
I. 45, 47, 49, 51, 53 and II. 54, ?, 56, 57
Clearly, II consists of consecutive natural numbers, starting from 54.
So, missing term = 55.

(6) 3, 4, 10, 32, 136, 685, 4116

[A] 10

[B] 32

[C] 136

[D] 4116

Answer : [B]

Explanation:
The correct pattern is x 1 + 1, x 2 + 2, x 3 + 3, x 4 + 4,.....
So, 32 is wrong and must be replaced by (10 x 3 + 3) i.e. 33.

(7) 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 x 2 - 2) i.e. 50.

(8) 0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

[A] 18

[B] 24

[C] 26

[D] 10

Answer : [A]

Explanation:
The given sequence is a combination of two series:
I. 0, 3, 8, 15, 24, 35 and II. 2, 5, 10, 18, 26
The pattern in both I and II is + 3, + 5, + 7, + 9,.....
So, in II, 18 is wrong and must be replaced by (10 + 7) i.e. 17.

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(9) 1236, 2346, 3456, 4566, 5686

[A] 1236

[B] 3456

[C] 4566

[D] 5686

Answer : [D]

Explanation:
The correct pattern in the series is + 1110.
So, 5686 is wrong and must be replaced by (4566 + 1110) i.e. 5676.

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(10) AYBZC, DWEXF, GUHVI, JSKTL, ?

[A] MQORN

[B] MQNRO

[C] NQMOR

[D] QMONR

Answer : [B]

Explanation:

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(11) GH, JL, NQ, SW, YD, ?

[A] EJ

[B] FJ

[C] EL

[D] FL

Answer : [D]

Explanation:

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(12) ADVENTURE, DVENTURE, DVENTUR, ?, VENTU

[A] DVENT

[B] VENTURE

[C] VENTUR

[D] DVENTU

[E] None of these

Answer : [C]

Explanation:
One letter from the beginning and one from the end of a term are removed, one by one, in alternate steps.

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(13) If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?

[A] Brother

[B] Sister

[C] Nephew

[D] Cannot be determined

Answer : [D]

Explanation:
If D is Male, the answer is Nephew.
If D is Female, the answer is Niece.
As the sex of D is not known, hence, the relation between D and A cannot be determined.
Note: Niece - A daughter of one's brother or sister, or of one's brother-in-law or sister-in-law. Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law.

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(14) If P $ Q means P is the brother of Q; P # Q means P is the mother of Q; P * Q means P is the daughter of Q in A # B $ C * D, who is the father?

[A] D

[B] B

[C] C

[D] Data is inadequate

Answer : [A]

Explanation: A is the mother of B, B is the brother of C and C is the daughter of D. Hence, D is the father.

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A      (Parents)       D |                   | |                    | B - is - Brother - of - C
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(15)

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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(16) If A $ B means A is the brother of B; A @ B means A is the wife of B; A # B means A is the daughter of B and A * B means A is the father of B, which of the following indicates that U is the father-in-law of P?

[A] P @ Q $ T # U * W

[B] P @ W $ Q * T # U

[C] P @ Q $ W * T # U

[D] P @ Q $ T # W * U

Answer : [A]

Explanation:
P @ Q → P is the wife of Q ...(1)
Q $ T → Q is the brother of T ...(2)
T # U → T is the daughter of U
Hence, → Q is the son of U ...(3)
U * W → U is the father of W.
From (1) and (3), U is the father-in-law of P.

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(17)

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
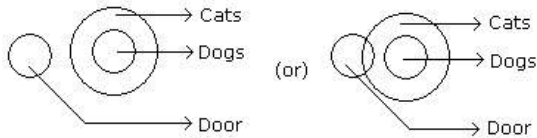Therefore, F is the mother of K.

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(18) 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]

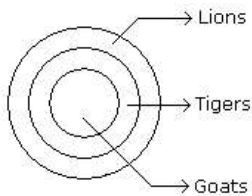**Explanation:** Only (3) follows.

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(19) 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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(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]