Book For

Bank of Baroda

Bank of Baroda Sub Staff Reasoning Sample Paper

(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 x 3 = 6, 6 x 3 = 18, 18 x 3 = 54,.....
So, the series is a G.P. in which a = 2, r = 3.
Therefore 8th term = ar^{8-1} = ar^7 = 2 x 3^7 = (2 x 2187) = 4374.

(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 ÷ 5, while that in II is x 5. So, missing term = 25 x 5 = 125.

(3) PMT, OOS, NQR, MSQ, ?

[A] LUP

[B] LVP

[C] LVR

[D] LWP

Answer : [A]

Explanation:

(4) DHL, PTX, BFJ, ?

[A] CGK

[B] KOS

[C] NRV

[D] RVZ

Answer : [C]

Explanation:

(5) a _ ba _ b _ b _ a _ b

[A] abaab

[B] abbab

[C] aabba

[D] bbabb

Answer : [D]

Explanation:
The series is a<u>b</u>b/a<u>b</u>b/a<u>b</u>b/a<u>b</u>b. Thus, the pattern 'abb' is repeated.

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(6) Arrange the words given below in a meaningful sequence.
1. Infant   2. Old   3. Adult

4. Adolescent 5. Child

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

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

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

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

Answer : [D]

Explanation:
The correct order is :

Infant	Child	Adolescent	Adult	Old
1	5	4	3	2

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(7) Arrange the words given below in a meaningful sequence.
1. Presentation 2. Recommendation 3. Arrival

4. Discussion   5. Introduction

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

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

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

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

Answer : [C]

Explanation:
The correct order is :

Arrival	Introduction	Presentation	Discussion	Recommendation
3	5	1	4	2

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(8) Arrange the words given below in a meaningful sequence.
  1. District   2. Village   3. State   4. Town   5. City

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

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

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

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

Answer : [A]

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(9) Arrange the words given below in a meaningful sequence.
  1. Study   2. Job   3. Examination   4. Earn   5. Apply

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

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

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

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

Answer : [C]

(10) Arrange the words given below in a meaningful sequence.
  1. Leaf 2. Fruit 3. Stem 4. Root 5. Flower

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

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

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

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

Answer : [D]

(11) 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.

(12) 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.**

(13) A and B are children of D. Who is the father of A? To answer this question which of the statements (1) and (2) is necessary?

  1. C is the brother of A and the son of E.

  2. F is the mother B.

[A] Only (1)

[B] Only (2)

[C] Either (1) or (2)

[D] (1) and (2) both

Answer : [B]

Explanation:
A and B are children of D.
From (1), C is the brother B and son of E.
Since, the sex of D and E are not known. Hence (1) is not sufficient to answer the question.
From (2). F is the mother of B. Hence, F is also the mother of A. Hence D is the father of A.
Thus, (2) is sufficient to answer the question.

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(14) If P $ Q means P is the father of Q; P # Q means P is the mother of Q and P * Q means P is the sister of Q, then N # L $ P * Q shows which of the relation of Q to N?

[A] Grand son

[B] Grand daughter

[C] Nephew

[D] Data is inadequate

Answer : [D]

Explanation: As the sex of Q is not known, hence, data is inadequate.

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(15) If M x N means M is the daughter of N; M + N means M is the father of N; M % N means M is the mother of N and M - N means M is the brother of N then P % Q + R - T x K indicates which relation of P to K?

[A] Daughter-in-law

[B] Sister-in-law

[C] Aunt

[D] None of these

Answer : [D]

Explanation:
P % Q → P is the mother of Q
Q + R → Q is the father of R
R - T → R is the brother of T
Hence, → Q is the father of T
T x K → T is the daughter of K
Hence, → Q is the husband of K.
Therefore, P is the mother-in-law of K.

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(16) A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have ?

[A] 22

[B] 23

[C] 25

[D] 35

Answer : [C]

Explanation:
Clearly, we have :
B-3 = E ...(i)
B + 3 = D ...(ii)
A+B = D + E+10 ...(iii)
B = C + 2 ...(iv)
A+B + C + D + E= 133 ...(v)
From (i) and (ii), we have : 2 B = D + E ...(vi)
From (iii) and (vi), we have : A = B + 10 ...(vii)

Using (iv), (vi) and (vii) in (v), we get:
(B + 10) + B + (B - 2) + 2B = 133 ⇔ 5B = 125 ⇔ B = 25.

(17) What is the product of all the numbers in the dial of a telephone ?

[A] 1,58,480

[B] 1,59,450

[C] 1,59,480

[D] None of these

Answer : [D]

Explanation:
Since one of the numbers on the dial of a telephone is zero, so the product of all the numbers on it is 0.

(18) A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus ?

[A] 15

[B] 30

[C] 36

[D] 45

Answer : [D]

Explanation:
Originally, let number of women = x. Then, number of men = 2x.
So, in city Y, we have : (2x - 10) = (x + 5) or x - 15.
Therefore Total number of passengers in the beginning = (x + 2x) = 3x = 45.

(19) What is the smallest number of ducks that could swim in this formation - two ducks in front of a duck, two ducks behind a duck and a duck between two ducks ?

[A] 3

[B] 5

[C] 7

[D] 9

Answer : [A]

Explanation:
Clearly, the smallest such number is 3.

Three ducks can be arranged as shown above to satisfy all the three given conditions.

(20) 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. One 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. (1x2) = Rs. 2^1.

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

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