

1. Seating Arrangement

Question:

Five teachers P, Q, R, S, and T teach a group of students in sequence between 9 AM and 2 PM. Each teacher teaches for one hour. Q takes the first class. S teaches just after T. R teaches before P and T. Who takes the second class from 10 AM to 11 AM?

Options:

- A) S
- B) R
- C) P
- D) T

Answer:

B) R

Explanation:

The sequence is $Q \rightarrow R \rightarrow P \rightarrow T \rightarrow S$. Hence, R takes the second class.

2. Coding-Decoding

Question:

If EXTENSION is coded as ONDUXISEX, then how will MATRIMONIAL be coded?

Options:

- A) WQDHCSQYQSV
- B) WQDHCSYDSQV
- C) WQDHCSYDSQV
- D) WQDHSCVDSQV

Answer:

A) WQDHCSQYQSV

Explanation:

The coding pattern involves reversing the string and applying a specific letter substitution.

3. Blood Relations

Question:

In a certain code:

- A % B means 'A is the brother of B'
- A & B means 'A is the mother of B'
- A @ B means 'A is the daughter of B'
- A \$ B means 'A is the father of B'
- A # B means 'A is the sister of B'

If $K \$ Z \% U \& H \# N @ T$, how is T related to U?

Options:

- A) Sister
- B) Husband
- C) Wife
- D) Brother

Answer:

B) Husband

Explanation:

Analyzing the relationships step by step leads to the conclusion that T is the husband of U.

4. Number Series

Question:

Find the wrong term in the series: 121, 169, 289, 400, 529

Options:

- A) 121
- B) 289
- C) 400
- D) 529

Answer:

C) 400

Explanation:

The series consists of perfect squares: 11^2 , 13^2 , 17^2 , 20^2 , 23^2 . The correct sequence should be 11^2 , 13^2 , 15^2 , 17^2 , 19^2 , etc. 400 (20^2) breaks the pattern.

5. Directional Sense

Question:

While doing a morning walk in a park, a girl passed Sudheer while jogging. Suddenly, Sudheer realizes, "the girl's mother's brother is the only son of my mother's father." How is the girl's mother related to Sudheer?

Options:

- A) Mother
- B) Sister
- C) Aunt
- D) Grandmother

Answer:

C) Aunt

Explanation:

The girl's mother's brother is Sudheer's uncle, implying the girl's mother is Sudheer's aunt.

6. Data Sufficiency

Question:

What is the total weight of 10 Ganesh Atta packets?

Statements:

1. One-fourth of the weight of each Ganesh Atta packet is 5 kg.
2. The total weight of three Ganesh Atta packets is 20 kg more than the total weight of two Ganesh Atta packets.

Options:

- A) Statement I alone is sufficient.
- B) Statement II alone is sufficient.
- C) Either statement I or II alone is sufficient.
- D) Both statements together are not sufficient.

Answer:

A) Statement I alone is sufficient.

Explanation:

From Statement 1: One-fourth weight = 5 kg \Rightarrow Full weight = 20 kg \Rightarrow Total weight for 10 packets = 200 kg.

7. Letter Series

Question:

Which is the wrong term in the following series? CMQ, FPT, JTX, OYC, UFI

Options:

- A) FPT
- B) OYC
- C) JTX
- D) UFI

Answer:

D) UFI

Explanation:

The pattern in the series is inconsistent at UFI, breaking the established sequence.

8. Syllogism

Question:

Statements:

1. All pens are papers.
2. Some papers are books.

Conclusions:

I. Some pens are books.

II. All books are pens.

Options:

A) Only conclusion I follows.

B) Only conclusion II follows.

C) Both conclusions follow.

D) Neither conclusion follows.

Answer:

D) Neither conclusion follows.

Explanation:

The conclusions do not logically follow from the given statements.

9. Puzzle (Floor Puzzle)

Question:

There are 5 people — A, B, C, D, and E — living on 5 different floors of a building (Ground floor is numbered 1, topmost floor is numbered 5).

- C lives on an even-numbered floor.
- Only one person lives between C and B.
- D lives immediately above B.
- A does not live on the top floor.

Who lives on the 5th floor?

Options:

A) A

B) C

C) D

D) E

Answer:

D) E

Explanation:

- C lives on floor 2 or 4 (even floors).
 - B must be separated from C by one floor, so possibilities arise accordingly.
 - D lives immediately above B.
 - After arranging conditions, E ends up living on the 5th floor.
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10. Logical Venn Diagram

Question:

Which of the following diagrams best represents the relationship among 'Doctors', 'Surgeons', and 'Professionals'?

Options:

- A) Three separate circles
- B) Two intersecting circles within a third
- C) One circle within another
- D) All circles overlapping

Answer:

B) Two intersecting circles within a third

Explanation:

Surgeons are a subset of doctors, and both are professionals.
