SNS COLLEGE OF TECHNOLOGY

An Autonomous Institution
Coimbatore-35

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

16GE314 – CAREER DEVELOPMENT PROGRAMME VI

DATA SUFFICIENCY/16GE314 – CAREER DEVELOPMENT PROGRAMME VI/R.SATHISH KUMAR/ECE/SNSCT

III YEAR/ VI SEMESTER

UNIT 3 – VERBAL REASONING III

TOPIC – DATA SUFFICIENCY

Question: In which year was Rahul born ?

Statements:

   I.   Rahul at present is 25 years younger to his mother.

   II.   Rahul's brother, who was born in 1964, is 35 years younger to his mother.

  A.   I alone is sufficient while II alone is not sufficient

  B.   II alone is sufficient while I alone is not sufficient

  C.   Either I or II is sufficient

  D.   Neither I nor II is sufficient

  E.   Both I and II are sufficient

Answer: Option **E**

Explanation:

From both I and II, we find that Rahul is (35 - 25) = 10 years older than his brother, who was born in 1964. So, Rahul was born in 1954.

DATA SUFFICIENCY

Question: What will be the total weight of 10 poles, each of the same weight ?

Statements:

    I. One-fourth of the weight of each pole is 5 kg.

    II. The total weight of three poles is 20 kilograms more than the total weight of two poles.

  A.   I alone is sufficient while II alone is not sufficient

  B.   II alone is sufficient while I alone is not sufficient

  C.   Either I or II is sufficient

  D.   Neither I nor II is sufficient

  E.   Both I and II are sufficient

Answer: Option **C**

Explanation:

From I, we conclude that weight of each pole = (4x5) kg = 20 kg.

So, total weight of 10 poles = (20 x 10) kg = 200 kg.

From II, we conclude that:

Weight of each pole = (weight of 3 poles) - (weight of 2 poles) = 20 kg.

So, total weight of 10 pojes = (20 x 10) kg = 200 kg.

Question: How many children does M have ?

Statements:

    I. H is the only daughter of X who is wife of M.

    II. K and J are brothers of M.

A.   I alone is sufficient while II alone is not sufficient

B.   II alone is sufficient while I alone is not sufficient

C.   Either I or II is sufficient

D.   Neither I nor II is sufficient

E.   Both I and II are sufficient

Answer: Option **D**

Explanation:

From I, we conclude that H is the only daughter of M. But this does not indicate that M has no son. The information given in II is immaterial.

Question: How much was the total sale of the company ?

Statements:

I. The company sold 8000 units of product A each costing Rs. 25.

II. This company has no other product line.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **E**

Explanation:

From I, total sale of product A = Rs. (8000 x 25) = Rs. 200000.

From II, we know that the company deals only in product A.

This implies that sale of product A is the total sale of the company, which is Rs. 200000.

Question: The last Sunday of March, 2006 fell on which date ?

Statements:

   I. The first Sunday of that month fell on 5th.

   II. The last day of that month was Friday.

  A.   I alone is sufficient while II alone is not sufficient

  B.   II alone is sufficient while I alone is not sufficient

  C.   Either I or II is sufficient

  D.   Neither I nor II is sufficient

  E.   Both I and II are sufficient

Answer: Option **C**

Explanation:

From I, we conclude that 5th, 12th, 19th and 26th of March, 2006 were Sundays.

So, the last Sunday fell on 26th.

From II, we conclude that 31st March, 2006 was Friday. Thus, 26th March, 2006 was the last Sunday of the month.

DATA SUFFICIENCY

Question: How many children are there between P and Q in a row of children ?

Statements:

I. P is fifteenth from the left in the row.

II. Q is exactly in the middle and there are ten children towards his right.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **E**

Explanation:

From II, Q being in the middle, there are 10 children to his right as well as to his left. So, Q is 11th from the left.
From I, P is 15th from the left.

Thus, from both I and II, we conclude that there are 3 children between P and Q.

Question: How is T related to K?

Statements:

   I. R's sister J has married Ts brother L, who is the only son of his parents.

   II. K is the only daughter of L and J.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **E**

Explanation:

From I, we know that L is T's brother and J's husband. Since L is the only son of his parents, T is L's sister.

From II, we know that K is L's daughter.

Thus, from I and II, we conclude that T is the sister of K's father i.e. T is K's aunt.

Question: How is J related to P ?

Statements:

I. M is brother of P and T is sister of P.

II. P's mother is married to J's husband who has one son and two daughters.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **B**

Explanation:

From II, we know that P's mother is married to J's husband, which means that J is P's mother.

DATA SUFFICIENCY

Question: On which date of the month was Anjali born in February 2004 ?

Statements:

 I. Anjali was born on an even date of the month.

 II. Anjali's birth date was a prime number.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **E**

Explanation:

From I and II, we conclude that Anjali was born in February 2004 on a date which is an even prime number. Since the only even prime number is 2, so Anjali was born on 2nd February, 2004.

Question: How is F related to P?

Statements:

   I. P has two sisters M and N.

   II. F's mother is sister of M's father.

  A.   I alone is sufficient while II alone is not sufficient

  B.   II alone is sufficient while I alone is not sufficient

  C.   Either I or II is sufficient

  D.   Neither I nor II is sufficient

  E.   Both I and II are sufficient

Answer: Option **E**

Explanation:

From I and II, we conclude that P is M's brother and so M's father is P's father. So, F is the child of the sister of P's father i.e. F's mother is P's aunt or F is P's cousin.

DATA SUFFICIENCY

Question: On which day of the week was birthday of Sahil ?

Statements:

   I. Sahil celebrated his birthday the very next day on which Arun celebrated his birthday.

  II. The sister of Sahil was born on the third day of the week and two days after Sahil was born.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **B**

Explanation:

I does not mention the day of the week on the birthday of either Arun or Sahil.

According to II, Sahil's sister was born on Wednesday and Sahil was born two days before Wednesday i.e. on Monday.

DATA SUFFICIENCY

Question: Who is C's partner in a game of cards involving four players A, B, C and D ?

Statements:

I.   D is sitting opposite to A.

II.   B is sitting right of A and left of D.

A.   I alone is sufficient while II alone is not sufficient

B.   II alone is sufficient while I alone is not sufficient

C.   Either I or II is sufficient

D.   Neither I nor II is sufficient

E.   Both I and II are sufficient

Answer: Option **C**

Explanation:

Clearly, each of the given statements shows that B is sitting opposite to C or B is the partner of C.

DATA SUFFICIENCY

Question: How is Sulekha related to Nandini ?

Statements:

  I. Sulekha's husband is the only son of Nandini's mother.

  II. Sulekha's brother and Nandini's husband are cousins.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **C**

Explanation:

From I, we conclude that Sulekha is the wife of Nandini's mother's only son i.e. Nandini's brother. Thus, Sulekha is Nandini's sister-in-law.

From II, we conclude that Sulekha is the cousin of Nandini's husband, which implies that Sulekha is Nandini's sister-in-law.

DATA SUFFICIENCY

Question: What is Gagan's age ?

Statements:

I.   Gagan, Vimal and Kunal are all of the same age.

II. Total age of Vimal, Kunal and Anil is 32 years and Anil is as old as Vimal and Kunal together.

A.   I alone is sufficient while II alone is not sufficient

B.   II alone is sufficient while I alone is not sufficient

C.   Either I or II is sufficient

D.   Neither I nor II is sufficient

E.   Both I and II are sufficient

Answer: Option **E**

Explanation:

As given in I and II, we have: G = V = K, V + K + A = 32 and A = V + K.

Putting V + K = A in V + K + A = 32, we have: 2A = 32 or A = 16.

Thus, V + K = 16 and V = K. So, V = K = 8. Thus, G = 8.

DATA SUFFICIENCY

Question: Among Monika, Anita, Sonal, Ratna and Tanvy, who came last for the programme ?

Statements:

I. Monika came after Anita but not after Tanvy.

II. Ratna came after Tanvy but not after Sonal.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option **E**

Explanation:

From I, we have the order : A, M, T.

From II, we have the order: T, R, S.

Combining the above two, we get the order: A, M, T, R, S.

Thus, Sonal came last for the programme.

Question: How is A related to D ?

Statements:

I.   B is the brother of A.

II.   B is D's son.

A.   I alone is sufficient while II alone is not sufficient

B.   II alone is sufficient while I alone is not sufficient

C.   Either I or II is sufficient

D.   Neither I nor II is sufficient

E.   Both I and II are sufficient

Answer: Option **D**

Explanation:

From I and II, we conclude that A is either son or daughter of D.

DATA SUFFICIENCY

Question: Among A, B, C, D, E and F, who is the heaviest ?

Statements:

I. A and D are heavier than B, E and F but none of them is the heaviest.

II. A is heavier than D but lighter than C.

A. I alone is sufficient while II alone is not sufficient

B. II alone is sufficient while I alone is not sufficient

C. Either I or II is sufficient

D. Neither I nor II is sufficient

E. Both I and II are sufficient

Answer: Option A

Explanation:

From I, we conclude that since none of A and D is the heaviest and each one of B, E and F is lighter than both A and D, so C is the heaviest.

THANK YOU