

UPSC CSAT DPP 11 - Reasoning

Q1 Anjali, Bhawna and Shreya are sisters. Dinesh is the brother of Shivani and Shivani is the daughter of Bhawna. How is Anjali related to Dinesh?

- (A) Sister (B) Cousin
(C) Niece (D) Aunt

Q2 'A' is the father of 'X' and 'Y' is the son of 'B'. 'Z' is the brother of 'A'. If 'X' is the sister of 'Y', how is 'B' related to 'Z'?

- (A) Daughter (B) Brother-in-law
(C) Husband (D) Sister-in-law

Q3 'A' is the son of 'B' while 'B' and 'C' are sisters to one another. 'E' is the mother of 'C'. If 'D' is the son of 'E', then which of the following statement is correct?

- (A) 'E' is the brother of 'B'.
(B) 'B' and 'D' are sisters.
(C) 'D' is the cousin of 'A'.
(D) 'D' is the maternal uncle of 'A'.

Q4 Arjun said to Nitish, "That boy playing football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Arjun?

- (A) Son (B) Brother
(C) Cousin (D) Nephew

Q5 'B' is the mother of 'Q'; 'A' is the father of 'P'. The sister of 'P' and 'R' is 'Q'. Which of the following statement is definitely not true?

- (A) 'B' is the mother of 'R'.
(B) 'P' is the sister of 'R'.
(C) 'Q' is the son of 'A'.
(D) 'B' has one daughter.

Q6 Shivani is the niece of Ashok. Ashok's mother is Priyanka. Kamla is Priyanka's mother. Kamla's husband is Harish. Krishna is the mother-in-law of Harish. How is Shivani related to Harish?

- (A) Daughter
(B) Great grand daughter
(C) Grand niece
(D) Great grandson's daughter

Directions (7-8) Read the following passage and answer the given questions.

Direction for the next 2 (two) items: Answer the questions based on the information given below.

There are nine members i.e. 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H' and 'I' in a family. 'D' is the brother of 'E'. 'D' is the only son of 'C'. 'F' is the father-in-law of 'E'. 'G' is the husband of 'C' and maternal grandfather of 'A', who is a male. 'B' is the only son of 'F'. 'F' is the grandfather of 'H'. 'I' is the daughter of 'H'.

Q7 How is 'E' related to 'I'?

- (A) Mother
(B) Grandmother
(C) Grandfather
(D) Father

Q8 How is 'A' related to 'H'?

- (A) Mother (B) Son
(C) Brother (D) Father

Directions (9-10) Read the following passage and answer the given questions.

Direction for the next 2 (two) items: Answer the questions based on the information given below.

In a family there are nine family members i.e. 'A', 'B', 'C', 'D', 'P', 'Q', 'R', 'S' and 'T'. There are three generations having three married couples. 'P' has three children out of which one is a daughter and two are sons. 'Q' is the wife of 'P'. 'S' is the sister of 'R' and 'T'. 'R' is unmarried. 'B' is the son of 'D'. 'A' is the cousin of 'B'. 'T' is the son of 'P'. 'D' is the male member of the family. 'C' is the sister-in-law of 'S', who is married to 'D'. 'D' has no sibling.



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Q9 How is 'A' related to 'T'?

- (A) Son
- (B) Daughter
- (C) Mother

(D) Cannot be determined

Q10 How is 'Q' related to 'A'?

- (A) Grandfather
- (B) Grandmother
- (C) Mother
- (D) Father



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Answer Key

Q1 (D)

Q2 (D)

Q3 (D)

Q4 (B)

Q5 (C)

Q6 (B)

Q7 (B)

Q8 (C)

Q9 (D)

Q10 (B)



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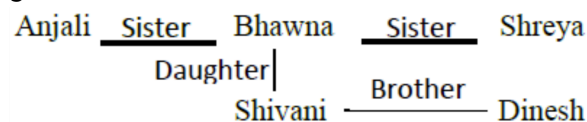
Hints & Solutions

Q1 Text Solution:

Ans: (d)

Explanation:

The following diagram can be made as per the given information:



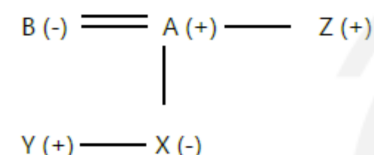
We can clearly see that Anjali is the aunt of Dinesh.

Hence, option (d) is correct.

Q2 Text Solution:

Ans: (d)

Explanation:



We can clearly see that A is the husband of B.

So, B is the sister-in-law of Z.

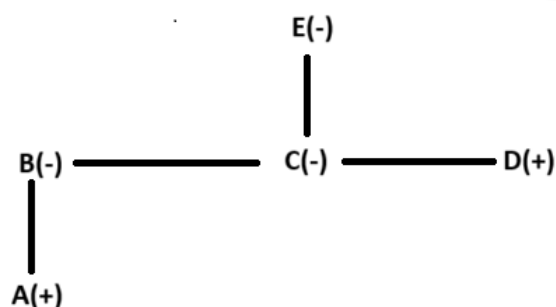
Hence, option (d) is correct.

Q3 Text Solution:

Ans: (d)

Explanation:

The following diagram can be made as per the given information:



From this diagram we can clearly see that 'D' is the maternal uncle of 'A'.

Hence, option (d) is correct.

Q4 Text Solution:

Ans: (b)

Explanation:

Arjun's father's wife is his mother.

His mother's daughter is his sister.

It means his sister has two brothers.

One of them is Arjun and the younger one is playing football.

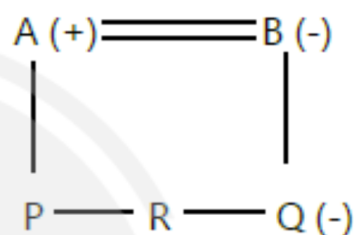
So, the boy playing football is the brother of Arjun.

Hence, option (b) is correct.

Q5 Text Solution:

Ans: (c)

Explanation:



It is clear that A and B are husband and wife and Q is the sister of P and R.

So, Q is definitely the daughter of A, not the son of A.

Hence, option (c) is correct.

Q6 Text Solution:

Ans: (b)

Explanation:

Shivani is the niece of Ashok. It means Ashok is the uncle of Shivani.

Priyanka is the mother of Ashok. It means Shivani is the grand daughter of Priyanka.

Harish is Kamla's husband and Priyanka is Kamla's daughter. It means Priyanka is the daughter of Harish.

So, Shivani is the great granddaughter of Harish.

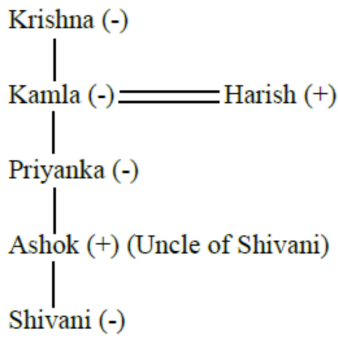
Or, the following diagram can be made as per the given information:



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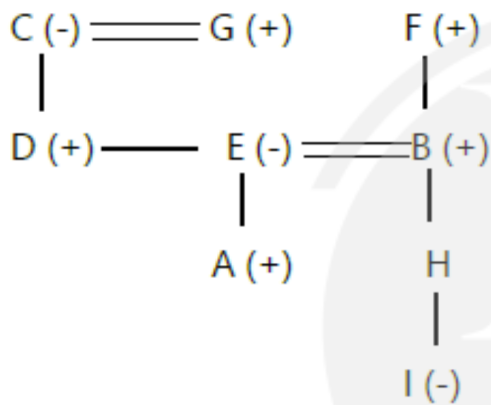
Hence, option (b) is correct.

Q7. Text Solution:

Ans: (b)

Explanation:

The following diagram can be as per the given information:



We can clearly see that 'E' is the mother of 'H'.

'I' is the daughter of 'H'.

So, 'E' is the grandmother of 'I'.

Hence, option (b) is correct.

Q8. Text Solution:

Ans: (c)

Explanation:

From the diagram, it is clear that 'E' is the wife of 'B' and 'A' is the son of 'B'.

So, 'A' is the brother of 'H'.

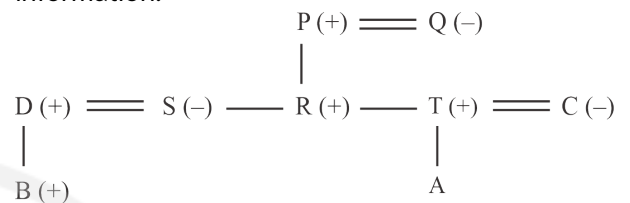
Hence, option (c) is correct.

Q9. Text Solution:

Ans: (d)

Explanation:

The following diagram can be as per the given information:



We can clearly see that 'C' is the wife of 'T' and 'A' is their child.

The gender of 'A' cannot be determined. 'A' can be the son/daughter of 'T'.

Hence, option (d) is correct.

Q10. Text Solution:

Ans: (b)

Explanation:

From the diagram, We can see that 'Q' is the wife of 'P'.

'T' is the son of 'Q' and 'A' is the child of 'T'.

So, 'Q' is the grandmother of 'A'.

Hence, option (b) is correct.



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