I.1) direction for question : These questions are based on the following information:

There are seven members in a family of two generations. B is E’s mother. There are two married couples. F is A’s only niece. G is C’s son. E has no siblings. A and C are brothers and are married. One of the family members is D.

Q.1) Who is E’s father?

[a] A
[b] C
[c] D
[d] F
Solution for the question:

It is given that A and C are brothers and they are married. Now, F is A’s only niece and G is C’s son, it means that G and F are children of C. also, B is E’s mother and E has no siblings. It means that B is A’s wife. Hence, D is C’s wife. The family tree is represented as shown below.

Solution 1) (a) E’s father is A.
I.2) direction for question: These questions are based on the following information:

There are seven members in a family of two generations. B is E’s mother. There are two married couples. F is A’s only niece. G is C’s son. E has no siblings. A and C are brothers and are married. One of the family members is D.

Q.2) How is F related to C’s son’s mother’s brother-in-law’s child?

[a] brother
[b] sister
[c] aunt
[d] cousin
Solution for the question:
It is given that A and C are brothers and they are married. Now, F is A’s only niece and G is C’s son, it means that G and F are children of C. also, B is E’s mother and E has no siblings. It means that B is A’s wife. Hence, D is C’s wife.
The family tree is represented as shown below.

Solution 2) (d) C’s son’s mother is D. D’s brother in law’s child is E. F is E’s cousin.
Q.3) C is the brother of D. A is the husband of B. B is the mother of C. E is the wife of D. How is B related to E?

[a] mother  
[b] father  
[c] mother-in-law  
[d] father-in-law

Solution.3) (c)

As A is the husband of B, B is the mother of C and C is the brother of D, we can say that C and D are children of A and B. now, E is the wife of D. thus, B is the mother in law of E.
Q.4) My mother’s only sibling’s wife’s only son’s paternal aunt is my father’s… ?
[a] brother  
[b] mother  
[c] sister  
[d] wife

Solution.4) (d)
My mother’s only sibling’s wife is my uncle’s wife. My uncle’s wife son’s paternal aunt is my mother. My mother is the wife of my father.
Q.5) How is my daughter’s husband’s son related to my son’s daughter?
[a] uncle  
[b] aunt  
[c] father  
[d] cousin

Solution.5) (d)
Let us say my daughter’s husband is Q and my son’s daughter is P. so, Q is P’s cousin
Q.6) A is P’s father. Q is C’s daughter. D is C’s husband. A is Q’s father-in-law. How is P related to D if A has only one child?

[a] brother
[b] son-in-law
[c] nephew
[d] father-in-law

Solution 6) (b)

From the given information, we get the following family tree diagram.

Thus, P is D’s son-in-law.
There are eight members in a family S, T, U, V, W, X, Y and Z. X is the daughter of T, who is W’s husband. Y is the mother in law of W but is not V’s wife. U is X’s brother. Z is U’s grandmother. There is no widow in the family.

Q.7) How is S related to W?
[a] father-in-law
[b] mother-in-law
[c] husband
[d] father
Solution: (a)

from the information, X is the daughter of T, who is W’s husband and U is X’s brother, we can say that T and W are married couple and X and U are their children. Now, as Y is the mother-in-law of W, Y is T’s mother-in-law of W, Y is T’s mother.

As, Z is U’s grandmother, Z has to be W’s mother (as T’s mother is Y). now, as there is no widow in the family, S and V are the husband of Y and Z in any order. but Y is not V’s wife. Thus, S is Y’s husband. So, V is Z’s husband.

S is W’s father-in-law
I.8) direction for question:

There are eight members in a family S, T, U, V, W, X, Y and Z. X is the daughter of T, who is W’s husband. Y is the mother in law of W but is not V’s wife. U is X’s brother. Z is U’s grandmother. There is no widow in the family.

Q.8) How many males are there in the family?

[a] one
[b] two
[c] three
[d] four
Solution: (d)

from the information, X is the daughter of T, who is W’s husband and U is X’s brother, we can say that T and W are married couple and X and U are their children. Now, as Y is the mother-in-law of W, Y is T’s mother-in-law of W, Y is T’s mother.

As, Z is U’s grandmother, Z has to be W’s mother (as T’s mother is Y). now, as there is no widow in the family, S and V are the husband of Y and Z in any order. but Y is not V’s wife. Thus, S is Y’s husband. So, V is Z’s husband.

So, There are four males in the family.
I.9) direction for the question:
In a family of eight members, there are two married couples. W is the brother of S, who is the daughter-in-law of P. T is the grandson of Q. R is only the nephew of V. U is the sister of T and the daughter of R. Q does not have any sibling, W is the brother-in-law of R.

Q.9) How is U related to P?
[a] daughter
[b] niece
[c] wife
[d] granddaughter
Solution: (d) from the information, W is the brother of S and S is daughter-in-law of P, W is brother-in-law of R. Now T, is the grandson of Q and U is the sister of T and the daughter of R. Thus, we can say that P and Q are a couple. now, as R is nephew of V and Q does not have any sibling. V is the sibling of P.

The family tree is represented as shown below:

So, U is P’s granddaughter.
I.10) direction for the question:
In a family of eight members, there are two married couples. W is the brother of S, who is the daughter-in-law of P. T is the grandson of Q. R is only the nephew of V. U is the sister of T and the daughter of R. Q does not have any sibling, W is the brother-in-law of R.

Q.10) If V is the brother of P, then how many females are there in the family?
[a] two
[b] three
[c] four
[d] five
Solution: (b) from the information, W is the brother of S and S is daughter-in-law of P, W is brother-in-law of R. Now T, is the grandson of Q and U is the sister of T and the daughter of R. Thus, we can say that P and Q are a couple. now, as R is nephew of V and Q does not have any sibling. V is the sibling of P.

The family tree is represented as shown below:

If V is the brother of P, then V is a male. Thus, one among P and Q is a female, as they are a couple. Also, S and U are females. Thus, together are three females in the family.