Adda 247 Publications

BOOKS

Directions (1-5): Study the information carefully and answer the questions given below.

Six persons A, B, C, D, E and F were born in different years 1942, 1955, 1961, 1983, 1994, 2012 but not necessarily in the same order. They were born on same date of the same month in different years. (All the calculations of ages are done by considering 2018 as the base year) They like different colours i.e. pink, red, yellow, purple, black and blue.
 The difference between the present age of A and C is 10 less than the difference between the present ages of the one who like red and yellow. C likes pink. The number of persons born before D is same as the number of persons born after B. C is younger to A but not just younger. E does not like yellow. The second youngest person likes purple. The number of persons born between B and F is more than the number of persons born between D and C. Atleast one person is born after the one who likes pink. The one who likes blue is elder to the one who likes black. Neither A nor C likes Red and Yellow colour.

Q1. Who among the following likes blue?
(a) D
(b) F
(c) C
(d) B
(e) none of these

**Q2. Which among the following pair of persons are the oldest and youngest respectively?**
(a) E, A
(b) F, C
(c) A, F
(d) B, D
(e) none of these

Q3. In which of the following year was E born?
(a) 1983
(b) 1955
(c) 1961
(d) 2012
(e) none of these

Q4. Which of the following statement is true regarding F?
(a) E was born before F
(b) F is the 3rd youngest
(c) the difference between the present ages of B and F is not divisible by 3
(d) F likes black
(e) none of these
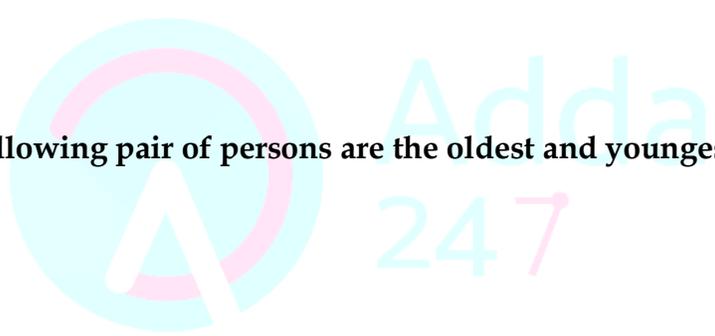
Q5. How many persons were born between A and E?
(a) Two
(b) One
(c) Three
(d) Four
(e) None

Directions (6-10): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and;
(a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
(b) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
(c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
(d) if the data even in both statements I and II together are not sufficient to answer the question.
(e) if the data in both statements I and II together are necessary to answer the question

Q6. Five K, L, M, N, O persons are sitting around a circular table facing the center. Who among the following sit immediate right of O?
I. K sits second to the left of L. M is an immediate neighbour of K. Two persons sit between M and N. N is not an immediate neighbour of L.
II. N sits second to the right of L. K is not an immediate neighbour of L. M sits immediate right of K.

Q7. Six persons P, Q, R, S, T, U were born in six different months June, July, August, October, November and December of a year. Only one person was born in one month. Who among the following born in a month immediately before U?
I. S was born after August. Only one person born between S and T. Only one person was born between Q and P. Q was born after S. Only two persons were born between R and P.
II. P was born in October. Q was born after P. Only two persons were born between Q and T. Only two persons were born between U and S. U was born before S.

Q8. In a family of six persons R, S, T, X, Y, Z who is the father of Y?
I. X is the son-in-law of R. Z is the only son of T. T is the grandfather of Y.
II. Y is the son of S, who is the only sister of Z. R is the mother of Z.

Q9. Six persons G, H, I, J, K, L are living in six different floors as first floor is numbered as 1 and top floor is numbered as 6. Who among the following lives immediately above J?
I. L lives on an even number floor. Only one person lives between G and L. Two person live between G and H. I lives immediately above K but not below H.
II. K lives immediately above G. K does not live on even number floor. J lives below G. Only one person lives between J and H. L lives above I.

Q10. In a family of seven persons A, J, K, N, V, C, Q who is the mother of C?

I. V is the brother in law of Q. K is the brother of V. A is the grandfather of C who is female.

II. A is married to J. N is the daughter in law of A. K is the son of J and brother in law of N. N is not mother of C.

Q11. If in the number 34657891, 1 is added to second, fourth, sixth and eighth digit and 1 is subtracted from the first, third, fifth and seventh digits, then how many digits are repeated in the new number thus formed?

(a) 5 and 9

(b) 5 and 8

(c) 6, 5 and 2

(d) 9, 5 and 3

(e) None of these

Q12. In the following question a statement is given followed by three statements numbered as I, II and III. You have to read all three statements and decide which of them strengthens or weakens the statement.

Statement: Among the governments, there is a strong policy emphasis on improving living conditions in urban areas as more and more people are looking to migrate to semi-urban or rural areas. People are willing to compromise on their standard of living in order to live in a healthier/pollution free environment.

(I) Cities are economically vibrant spaces around the world and drawing a large number of rural migrants looking for better prospects. This is a sustained trend, particularly in developing countries now a day.

(II) A fresh look at urban governance is necessary as migration from rural areas picks up pace.

(III) The rate of migration has shown a consecutive decline in the last three Censuses. It was possible that this slow-down signalled the worsening conditions in urban slums, where most of the rural immigrants were concentrated.

(a) Only statement (I) strengthen but statement (II) and (III) is the neutral statement.

(b) Both statement (I) and statement (III) strengthen the given statement but statement (II) is neutral statement.

(c) Both statement (I) and statement (II) are neutral statements and statement (III) strengthen the statement.

(d) Both statement (I) and (II) weakens but statement (III) strengthen the given statement.

(e) All statement (I), (III) and statement (II) weaken the given statement.

Q13. The revenue of Company A has been decreasing from past one year while the prices of the products offered by the company have also decreased from past six months.

Which of the following cannot be the reason of downfall of the revenue of Company A?

(a) Company B is offering same product at much lower prices than Company A.

(b) The quality of the products of Company A is not upto a desirable level.

(c) The demand of the product offered by Company A has been decreasing due to the usage of an old technology in it.

(d) There is an abrupt rise in the availability of the product offered by Company A but the demand has not changed accordingly.

(e) Chinese companies offered better and cheap products than Indian Companies.

Q14. Today's children are different from the children of previous generations. They are more interested in playing video games or sitting hours on the play stations than in playing outdoor games. They are more technology oriented. These things are depriving the child from developing their personality. They lack the stamina and strength of the previous generations.

Which of the following statement weakens the given statement?

(I) The children of today are mentally active as this has made children much more organized and mature than in previous times.

(II) These gadgets are addicting. They have made the children so much addicted to PC and PS that they do not enjoy the outdoor games anymore.

(III) The children of present time are not physically active. These children are not being a team player anymore, they grow up to become shy and introvert instead of being bold and extrovert.

(a) Only I

(b) Both III and I

(c) Only II

(d) Both II and III

(e) All I, II and III

Q15. A committee on reduction of air pollution in the cities of country X has suggested a ban on the use and sales of all the diesel based electricity generators in the cities.

Which of the following will be the repercussions, if the suggestion of the committee is implemented?

(a) The prices of diesel will reduce sharply.

(b) Pollution levels will come down to safer level in all the cities.

(c) Residents living in the cities will face frequent power outages.

(d) There will be a reduction in the revenues of the companies manufacturing diesel generators.

(e) All of the above

Solutions (1-5):

Year	Person	Colors
1942	A	Blue
1955	B	Black
1961	E	Red
1983	C	Pink
1994	D	Purple
2012	F	Yellow

S1. Ans(e)
S2. Ans(c)
S3. Ans(c)
S4. Ans(a)
S5. Ans(b)

S6. Ans. (c)
Sol. From I,
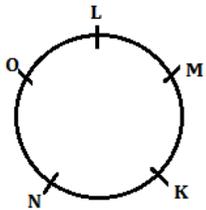
From II,
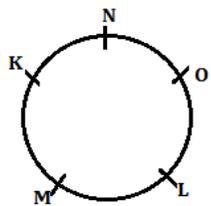
S7. Ans. (e)
Sol. From I,

Months	Case-1	Case-2
	Persons	Persons
June	U	R
July	T	U
August	P	T
October	S	P
November	Q	S
December	R	Q

From II,

Months	Case-1	Case-2
	Persons	Persons
June	R	R
July	T	U
August	U	T
October	P	P
November	Q	S
December	S	Q

From both I and II,

Months	Persons
June	R
July	U
August	T
October	P
November	S
December	Q

S8. Ans. (e)

Sol. From I and II,
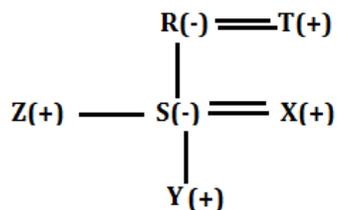
S9. Ans. (e)

Sol.

Floors	Case-1	Case-2
	Persons	Persons
6	I	K
5	K	J
4	G	G
3	J	I
2	L	K
1	H	H

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From II,

Floors	Case-1	Case-2
	Persons	Persons
6	I	I
5	K	K
4	G	G
3	J	H
2	L	L
1	H	J

From I and II,

Floors	Persons
6	I
5	K
4	G
3	J
2	L
1	H

S10. Ans. (e)
Sol.


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        A(+)═══J(-)
         │
Q(-)═══ K(+) ──V(+)═══ N(-)
         │
        C(-)
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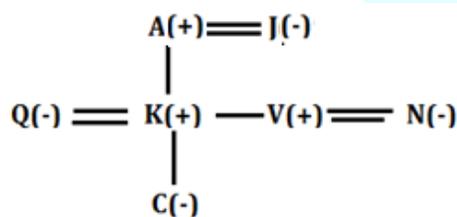
S11. Ans(c)
Sol.
34657891
25566982

S12. Ans. (d)
Sol. For I- Statement I weaken the given statement as according to it large number of people migrating to urban areas for better job opportunities whereas the given statement suggests that people are willing to compromise on their standard of living in order to live in a healthier/pollution free environment
For II- Statement II weaken the given statement as according to it migration from the rural areas is increasing whereas according to the statement, more and more people are willing to migrate to rural/semi-urban areas.
For III- Statement III strengthens the statement is it states that there has been a decline in number of migrants but it is due to the poor condition of urban slum areas, mostly acquired by the migrants and because of the policies of the government.

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S13. Ans. (e)
Sol. As all options other than (e) can be the reason of the downfall of the revenue of a company but option (e) cannot be a reason as nothing regarding the Chinese/Indian companies have been stated in the given statement and is not related with the downfall of revenue of company A.

S14. Ans.(a)
Sol. Only I weakens the given statements as the statement suggest that the today's children are weaker than previous generation and are not as much active and also lack in developing their personality whereas the statement I states that today's children are mentally more active so it weakens the given statement.

S15. Ans.(d)
Sol. (a) The prices of diesel are governed by various factors and we cannot say if the reduction in the prices will be sharp or minor.
(b) We don't know the current levels of pollution in the cities and how much will be the effect of the ban.
(c) There is no doubt the ban will increase the demand for electricity but we don't know if the government or the private agencies involved in the production will or will not be able to meet the increased demands.
(d) As there will be no further sale of diesel generators in the cities, there will definitely be a reduction in the revenues.