

## CSS General Abilities Chapter 5 Analytical Reasoning

Sr	Questions	Answers Choice
1	Directions: Study the following information to answer the given questions.  (i) Six books are kept one on top of other.  (ii) The History book is just above Accounting. The maths book is between Punjabi and Urdu.  (iii) English is between History and Punjabi.  Which book is between the Maths and English books?	A. History B. Accounting C. Urdu D. None of these
2	In an experiment conducted at a laboratory, 160 white mice were injected with Serum D. 160 other white mice were injected with a harmless sugar solution. In two weeks time 39% of the white mice, who were injected with Serum D contracted the highly contagious and often fatal disease, jungle fever. Hence, it can be concluded that jungle fever is caused by some elements similar to the elements in Serum D.  The above argument would be highly empowered in case it were shown that:	A. Some of the elements in Serum I are extracted form the root of certain poisonous jungle wildflower.  B. Within a period of two weeks about 40% of the white mice, who were injected with a harmless sugar solution also contracted jungle fever C. Almost all the white mice died within a period of two days after the first symptoms appeared.  D. Normally the rate of jungle fever among white mice is less than 0.01%.  E. Invariably the blood of the victims of jungle fever victims contains a high level of a certain toxic substance also found in serum D.
3	Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates, who can serve on three committees.— A, B and C, and each candidate should serve on exactly one of the committees.  Committee A should consist of exactly one member more than committee B. It is possible that there are no members of committee C.  Among Z, Y and X none can serve on committee A.  Among W, V and U none can serve on committee G.  Among T, S and R none can serve on committee C.  In case any of the nine individuals serves on committee A?	A. Z B. Y C. W D. T E. S
4	Directions: Study the following information to answer the given questions.  (i) Six books are kept one on top of other.  (ii) The History book is just above Accounting. The maths book is between Punjabi and Urdu.  (iii) English is between History and Punjabi.  Which book is at the bottom?	A. Punjabi B. Accounting C. Urdu D. Cannot be determined
5	<ul> <li>Two or more essences out of a stock five essences L, M, N, O, and P are used in making all perfumes by a manufacturer. He has learned that for a blend of essences to be agreeable it should comply with all the rules listed below.</li> <li>A perfume containing L, should also contain the essence N, and the quantity of N should be twice as that of L.</li> <li>A perfume containing M, must also have O as one of its components and they should be in equal proportion.</li> <li>A single perfume should never contain N as well as O.</li> <li>O and P should not be used together.</li> <li>A perfume containing the essence P should contain P in such a proportion that the total amount of P present should be greater than the total amount of the other essence or essences used.</li> <li>Adding more amount of essence N will make which of the following perfumes agreeable?</li> </ul>	A. One part L, one part N, five parts P B. Two parts M, two parts N, two parts P C. One part M, one part N, one part P D. Two parts M, one part N, four parts P E. Two parts N, one part O, three parts P
	Directions: Study the following information to answer the given questions.  (i) Six firends, A, B, C, D, E and F are seated in a circle facing inwards.	

A. (ii) only B. (iii) only C. (iv) only

(ii) F is between A and D.

(iii) C is between E and B. (iv) E is not between D and C

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In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:

Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates, who can serve on three committees-- A, B and C, and each candidate should serve on exactly one of the committees.

B. 8

C. 7 D. 6 E. 5

Committee A should consist of exactly one member more than committee B.

It is possible that there are no members of committee C. Among Z, Y and X none can serve on committee A.

Among W, V and U none can serve on committee G. Among T, S and R none can serve on committee C.

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Of the nine individuals, the largest number that can serve together on committee C is

Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates, who can serve on three committees-- A, B and C, and each candidate should serve on exactly one of the Committee A should consist of exactly one member more than committee B. A. 3 It is possible that there are no members of committee C. Among Z, Y and X none can serve on committee A. C. 5 13 Among W, V and U none can serve on committee G. D. 6 Among T, S and R none can serve on committee C. E. 7 In case T and Z are the individuals serving on committee B, how many of the nine individuals should serve on committee C? Directions: Answer the questions below based on the following information: Delegations from India and Pakistan are meeting to discuss military, trade and diplomatic problems. Each delegation consists of a chair person, two military attaches, and two trade experts. The Indian delegation consists of A, B, C, D and E while the Pakistani delegation consists of F, G, H, I and J. Each chairperson is to A. Trade expert seated next to I occupy the middle seat in a row of five on two sides of a rectangular table. B. Military attache seated next to I (i) A insists on being seated at the opposite and of the table from B. 14 C. Military attache seated next to J D. Trade expert seated next to H (ii) G, who is deaf in his right ear, must be at the right end of the table. E. Trade expert seated opposite B (iii) Neither D nor F is chairperson. (iv) The Indian military attaches, one of whom is B, are seated together, and neither is opposite either of the Pakistan military attaches, neither of whom is G. F may be a Two or more essences out of a stock five essences-- L, M, N, O, and P are used in making all perfumes by a manufacturer. He has learned that for a blend of essences to be agreeable it should comply with all the rules listed below. • A perfume containing L, should also contain the essence N, and the quantity of N should be twice as that of L. . A perfume containing M, must also have O as one of its components and they A. L and M should be in equal proportion. B. L and N • A single perfume should never contain N as well as O. 15 C. L and P • O and P should not be used together. D. M and O E. P and N • A perfume containing the essence P should contain P in such a proportion that the total amount of P present should be greater than the total amount of the other essence or essences used. Among the following which combination cannot be used together in an agreeable perfume containing two or more essences? Directions: Study the following information to answer the given questions. (i) Six books are kept one on top of other. A. Urdu (ii) The History book is just above Accounting. The maths book is between Punjabi B. Punjabi 16 and Urdu. C. Accounting (iii) English is between History and Punjabi. D. Cannot be determined Which book is at the top? Two or more essences out of a stock five essences-- L, M, N, O, and P are used in making all perfumes by a manufacturer. He has learned that for a blend of essences to be agreeable it should comply with all the rules listed below. . A perfume containing L, should also contain the essence N, and the quantity of N should be twice as that of L. A perfume containing M, must also have O as one of its components and they A. One part L B. One part M should be in equal proportion. 17 C. Two parts N • A single perfume should never contain N as well as O. D. One part O • O and P should not be used together. E. Two parts P • A perfume containing the essence P should contain P in such a proportion that the total amount of P present should be greater than the total amount of the other essence or essences used. Among the following, the addition of which combination would make an unagreeable perfume containing two parts N and one part P agreeable? Two or more essences out of a stock five essences-- L, M, N, O, and P are used in making all perfumes by a manufacturer. He has learned that for a blend of essences to be agreeable

it should comply with all the rules listed below.

N should be twice as that of L.

should be in equal proportion.

. A perfume containing L, should also contain the essence N, and the quantity of

. A perfume containing M, must also have O as one of its components and they

A. One part L, one part M, one part

B. One part L, two parts N, one part

C. One part L. one part M. one part

N, four parts P

O, four parts P

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- A single periume should never contain in as well as O.
- O and P should not be used together.
- A perfume containing the essence P should contain P in such a proportion that the total amount of P present should be greater than the total amount of the other essence or essences used.
- O, one part P
- D. Two parts L, two parts N, one part
- O, two parts P
- E. Two parts M, one part N, two parts
- O, three parts P

## Among the below mentioned formulas, which can be made agreeable by the eliminating some or all of one essence?

A bus has exactly six stops on its route. The bus first stops at stop one and then at stops two, three, four, five, and six respectively. After the bus leaves stop six, the bus turns and returns to stop one and repeats the cycle. The stops are at six building that are, in alphabetical order L, M, N, O, P, and Q.

P is the third stop.

M is the sixth stop.

The stop O is the stop immediately before Q.

N is the stop immediately before L.

In case L is the second stop, which among the following must be the stop

C. P

D. O

immediately before M?

Directions: From among five doctors 1, 2, 3, 4 and 5; four engineers G, H, K and L; and six teachers, M, N, O, Q, and R, some teams are to be selected. Of these 1, 2, G, H, O, P, Q are females and the rest re males. The formation of the teams is subject to the following conditions:

i-Wherever there is a male doctor, there will be a female teacher.

ii-Wherever there is male engineer, there will be a female doctor.

iii-There shall not be more than two male teachers in any team.

If the team consists of two doctors, one engineer, and four teachers, all the following teams are possible except

A. 12GMNOP

C. 12HMOPQ

D. 12HMRPQ