

# GENERAL METHOD TO SOLVE ANAYTICAL REASONING

---

Many people feel difficulty in solving analytical reasoning questions and normally are not able to get good score in analytical portion of test even after spending a lot of time on it.

If u are one of those people, just relax. It is simple and easy. All questions of analytical reasoning are solved by same simple method. Here we will solve one example using this method. Remember! Analytical portion is most simple and easy part of test. So please don't lose marks on it...

## General Points:

1. Please read the method below carefully and follow the given simple steps in ALL analytical questions.
2. When solving question, do write on rough page given to u in paper. Most student just mess up these questions that they try to understand everything in head and memorize every condition. This is almost impossible and question becomes very difficult.

## General Method:

We will use method to solve the following example:

### *Example No 3*

---

From time to time, the President of a company appoints planning Boards, each consisting of exactly three members. Eligible for appointment are three executives from Marketing—R, S, and T—and three executives from Finance—U, V, and W. Any given Board is subject to the following restrictions on appointments:

At least one member must be from Marketing, and at least one member must be from Finance.

If R is appointed, S cannot be appointed.

Neither T nor V can be appointed unless the other is appointed also.

If U is appointed, W must also be appointed.

22

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

1. Which of the following is an acceptable Board?  
(A) R, T and W (B) S, V, and W (C) T, U, and V  
(D) T, V, and W (E) U, V, and W
2. If appointees from Marketing are in the majority on a Board, that Board must include  
(A) R (B) S (C) U (D) V (E) W
3. If appointees from Finance are in the majority on a Board, that Board must include  
(A) R (B) S (C) U (D) V (E) W
4. If R is appointed to the same Board as W, which of the following will be true of that Board?  
(A) Appointees from Marketing are in the majority.  
(B) Appointees from Finance are in the majority.  
(C) S is a Board member.  
(D) V is a Board member.  
(E) U is not a Board member.
5. If the restrictions on appointments apply also to a four-member Board appointed from the same group of executives, which of the following will be true?  
(A) If R is appointed, W must also be appointed.  
(B) If S is appointed, U must also be appointed.  
(C) If T is appointed, R must also be appointed.  
(D) If V is appointed, S must also be appointed.  
(E) If W is appointed, U must also be appointed.

## Method:

---

Now let us see how to do this question:

All questions will be solved in 3 simple steps explained below:

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

### STEP#1:

Read the basic info given in the passage just before the conditions. It is normally basic info about what is passage about. Normally it is simple and easy. Please don't panic if you don't understand any difficult word of English. Understanding English is not important in this step. On your rough page, summarize the numeric information in a short form.

In this example, I read:

From time to time, the President of a company appoints planning Boards, each consisting of exactly three members. Eligible for appointment are three executives from Marketing—R, S, and T—and three executives from Finance—U, V, and W. Any given Board is subject to the following restrictions on appointments:

Now I just write the following on my rough page:

1 board---- 3 members  
Marketing --- R, S, T  
Fin ----- U, V, W.

The step 1 is complete; just count variables to make sure that they are exactly equal to the number stated in the passage, so that we might not have missed anything.

### STEP #2

This is most important step of the question. It is to read all conditions (one by one), clearly understand them and write them in "short or symbol" form on your rough page. Symbols or short forms you use depend on you.... use symbols you like... no one is going to check your rough sheet ... but symbols you use should be clear to you and you should be able to understand those symbols later on when solving questions...

Later,, in step 3, when you will solve questions, you will look again and again at this short list of conditions you make here in step 2 and not on main question and its conditions (which are long enough to read and understand every time)....

Here I have done step#2 of this problem:

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

COND:

1. At least 1 from MKT and 1 from Fin
2.  $R \rightarrow \text{No } S$
3. TV.... Together
4.  $U \rightarrow W$

**CAUTIONS:**

1. This step is most important of any analytical problem as mentioned earlier... so don't rush through this step unless you are sure that it is complete and true.
2. Like look, fourth condition tells us that if U is selected, W must also be done ... as I wrote above in #4. But this does NOT mean that if W is selected, U must also be selected. There is nothing like that in the question. This condition only applies if U is there, then W must be. So, U can't come without W but W can come without U!!!
3. So, condition#4 is different from condition#3 which tells us that T and V must come together all the time. So, if T is there, V should also be and same if V is there, T must also be. (Note the difference b/w Condition#3 and condition#4.

Please note that we have just written conditions neatly on rough paper in "short" form. We have not tried to memorize any condition. Now when we will solve questions in step#3, we will look at this list and NOT on conditions given in question paper.

**STEP #3**

In step#3,, we will solve the questions one by one according to the techniques discussed here. The most general strategy for every question is:

- (i) Read the question carefully and interpret it.
- (ii) Make an arrangement and first do what the question says.
- (iii) Next start completing the arrangement starting from simplest condition.

Let us practice this procedure with questions:

**Q1**

1. Which of the following is an acceptable Board?

(A) R, T and W (B) S, V, and W (C) T, U, and V

(D) T, V, and W (E) U, V, and W

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

SOL:

Whenever you read the statement, “which of the following”, you will pick up each option and try to prove it wrong, The option which could NOT be proved wrong will be answer...

OR, you will pick each condition and apply it to ALL options. The options which do not obey it will be crossed. Then we will pick next condition and apply to remaining options (.i.e. those which had passed first condition) and then cross all options which are against it. In the end, the option which will pass all conditions will be answer.

Like here, pick up first condition, which says At least one member from MKT and one from fin, so look at options and check which option contains all members from a single group.

A is OK,

B is OK,

C is ok

D is ok

E contains all members of FIN, so cross E.. It is wrong,, we will NOT check it now against other conditions.

Second condition,  $R \rightarrow \text{No S}$ , check,

A is ok, B is Ok, C is Ok, D is Ok,

Third Condition: TV—Together,

A is wrong (T is there , but V is not)

B is wrong (V is there, But not T)

C is Ok and D is ok.

So, now , only C and D are left.

So, fourth condition:  $U \rightarrow W$ .

C is wrong (U is there, but not W)

D is Ok.

So, ANSWER=D

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

## Q2

---

2. If appointees from Marketing are in the majority on a Board, that Board must include

(A) R (B) S (C) U (D) V (E) W

SOL: As board has 3 members, and as per question, marketing members are in majority, so 2 members from MKT and 1 from FIN (3 members from MKT are impossible as by condition 1)

So two members are to be selected from MKT= R S T

All possible options are: RS, ST and RT

RS is impossible by condition#2.

So, either ST or RT will be from marketing. So, as we see, T must be selected, so ANS=T, (but no option contains T ☹)... so let us think a bit more, By condition#3, TV are together, as T is must, V is also must. So ANS=V, or..

ANSWER=D.

## Q3

---

3. If appointees from Finance are in the majority on a Board, that Board must include

(A) R (B) S (C) U (D) V (E) W

SOL: As board has 3 members, and as per question, FIN members are in majority, so 2 members from fin and 1 from MKT (3 members from FIN are impossible as by condition 1)

So two members are to be selected from FIN = U V W

All possible options are: UV UW VW

UV is impossible by condition#4. (If U is there, W must also be)

So, either UW or VW will be from FIN. So, as we see, W must be selected, so ANS=W

ANSWER=E.

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

4. If R is appointed to the same Board as W, which of the following will be true of that Board?

(A) Appointees from Marketing are in the majority.

(B) Appointees from Finance are in the majority.

(C) S is a Board member.

(D) V is a Board member.

(E) U is not a Board member.

**SOL:** So we read, "Which of the following", so we will pick up each option and try to prove it wrong, first please note that out of a 3 board member, R and W are already there, so we only have the choice of third member.

A. Appointees from Marketing are in the majority.

To prove this option wrong, we make members from FIN in majority (so that members of MKT are in minority), so pickup third member in such a way that members from FIN become 2 and only 1 member from MKT.

SO, R W ...

As R is from MKT, and W from FIN, and we want third no. from FIN, we can either pick U or V.

But selecting V is impossible as by TV (CONDITION#3)

SO SELECT U

So board is like:

R W U

(Condition# 4 is satisfied), so this board is true. So, we have made an arrangement with Fin members are in majority and Option A is proved wrong.

(B) Appointees from Finance are in the majority.

To prove this option wrong, we make members from MKT in majority (so that members of FIN are in minority), so pickup third member in such a way that members from MKT become 2 and only 1 member from FIN.

SO, R W ...

As R is from MKT, and W from FIN, and we want third no. from MKT, we can either pick S or T.

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com

Selecting S is impossible (condition#2) and selecting T is not allowed by condition#3 (TV). So we can't select third member from MKT. In other words, we can't make members from fin in minority. So, we can't prove this option wrong. So

ANS=B

#### Q5

---

5. If the restrictions on appointments apply also to a four-member Board appointed from the same group of executives, which of the following will be true?

- (A) If R is appointed, W must also be appointed.
- (B) If S is appointed, U must also be appointed.
- (C) If T is appointed, R must also be appointed.
- (D) If V is appointed, S must also be appointed.
- (E) If W is appointed, U must also be appointed.

Sol: So we read, "Which of the following", so we will pick up each option and try to prove it wrong. Please note that now we will make a board of 4 members. All conditions will be same, let us start from A.

(A) If R is appointed, W must also be appointed.

So To prove A wrong, Select R and don't select W. (so that we make a board Against this option and this option is proved wrong.)

R ... ....

You can't select S. (condition#2)

Select T

Now select V (TV – condition#3)

R S T .....

We are trying to make an arrangement without W. (to prove this option wrong)... So, select U. (But we can't do this as this is against condition#4). So, We can't complete it without W. In other words, we can't make this option wrong.

So, ANSWER=A.

NOTE: As option A could not be proved wrong, So, it was answer. If you have time, you can pick any of other options (B, C, D or E) and try to prove it wrong. You will be able to make arrangement!

---

In case of any confusions, please contact at:

<https://www.facebook.com/profile.php?id=100006884778858>

chuchipastol@gmail.com



**TIP:**

Initially, you will find this procedure very long and time consuming. But remember, Practice is key to success. Please practice, practice and practice some more. You can do 1 passage every day according to this procedure (it will not take more than your 20 minutes) and within a few days, you will notice improvement and your average time to complete a passage will start reducing.