

## **Approach to resolve quantitative aptitude:-**

Quantitative Aptitude Tests evaluate numerical ability and problem solving skills of candidates. Many companies use it in their selection procedure. Topics that may be included in different exams are:-

### **Basics:**

- Number Properties
- LCM, HCF
- Divisibility
- Remainder Theorem

### **Arithmetic:**

- Fractions & Decimals, Ratio & Proportion, Square Roots
- Simple & Compound Interest
- Time & Speed, Unitary Method, Time & Work
- Profit & Loss
- Percentage & Discount

### **Algebra:**

- Simple Equations
- Quadratic Equations
- Polynomials
- Exponents
- Functions

### **Sets, Relations & Mappings:**

- Sets
- Venn Diagrams
- Relations
- Functions

### **Mensuration:**

- Areas of Triangle, Quadrilateral, and Circle
- Volume of Cylinder, Cone, and Sphere

### **Geometry:**

- Triangles
- Properties of Circle
- Parallelogram

### **Statistics:**

- Mean
- Median
- Mode
- Quartiles

## Permutations and Combinations

## Probability

### Tips to prepare for Quantitative Aptitude Test

- **Start from the basics:** There is no set syllabus that you can strictly follow, in general. But if a particular test appraises you of the topics included, then stick to that. Otherwise go back to the basics of Mathematics, however easy you may think it to be. Follow your academic syllabus so that you can cover all major topics.
- **Concentrate on fundamentals:** The basic concepts of the topics involved should be absolutely clear. Do not leave any topic, even if it seems relatively unimportant, as questions can be asked from anywhere. Revise the concepts as and when possible.
- **Practice:** Various entrance exams conduct Quantitative Aptitude as one of the papers. Solve previous year's papers and also model papers of these exams. This will help acquaint with pattern and structure of questions set. The key mantra to success is extensive practice and speed. Calculations of some of the problems can be quite lengthy and time is a major factor during the exams. Practice a lot to acquire speed. Look in the silly mistakes committed earlier and try to improve them.
- **Take a systematic approach:** First solve the practice questions topic wise and later attempt an entire paper. In the beginning you can solve the problems using conventional methods. Later, try out your own shortcut methods to increase speed. But be alert not to jump crucial steps which might confuse you later.
- **Memorise important formulas, theorems and tables:** Quantitative Aptitude includes a lot of formulas, theorems, tables, etc. Write down the important ones that you need to memorise on a sheet of paper. Keep it handy so that you can glance at it any time. Practice a lot to get familiar with them. Practice common square root and cube root problems to quickly solve during exam.
- **Mark strong and weak sections:** While solving different problems, try to find out the topics that you are strong in and also the ones you in which you aren't. Do not neglect the ones you are considerably weaker in, as these might constitute a major part of the paper.
- **Part marking:** Many tests on Quantitative Aptitude have part marking scheme. So even if you know that the final answer is wrong, do not cancel the whole problem as you can get part marking for the correct portion.
- **Know different types of questions:** The questions can be deliberately set in a confusing manner or in a more twisted form instead of a more direct form that you are more familiar with. Only practice of different models will give you idea of the different ways the questions can be set.
- **Read the questions carefully:** Read the questions carefully so that you understand it properly before answering. A slight misinterpretation of the question otherwise known to you can mar your effort.

**Glance before solving:** Give a quick glance to the exam paper. First take up the questions you are more comfortable with as this will give you the much needed confidence and positive energy to move on with the rest of the paper. Later solve the other questions that you feel are slightly tougher.

**Time is essential:** Do not waste time if you get stuck in solving a particular question. You might be giving away precious time. Move on to solve the other questions and later if time permits try the ones you have left earlier.

Links:-

<https://www.quora.com/Which-is-the-best-site-for-aptitude-tests>

<https://www.quora.com/What-is-the-best-YouTube-channel-for-aptitude-and-reasoning-preparation>

<http://www.math-shortcut-tricks.com/quantitative-aptitude-math-shortcut-tricks/>

[https://www.smartkeeda.com/test/Quantitative\\_Aptitude/R\\_Updated/all/](https://www.smartkeeda.com/test/Quantitative_Aptitude/R_Updated/all/)

Videos:-

<https://www.youtube.com/watch?v=tqEIQJzY6co&list=PLY3DFj1jj0URoyHOnxau6l0EgzOtoHI>