# PRIYADARSHINI ENGINEERING COLLEGE

Chettiyappanur Village & Post, Vaniyambadi -635 751,
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(Listed in 2(f) & 12(B) Sections of UGC,
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

## CAT SYLLABUS

CAT exam syllabus can be divided into three sections. In CAT entrance exam, a candidate is tested on basis of three phases namely Quantitative Aptitude, Logical Reasoning, Data Interpretation and Verbal Ability. all three sections hold equal importance as one needs to clear the sectional cut-off along with the overall cutoff.

In order to thoroughly go through this section one must practice problems related to the following topics:

1. Algebra: Binomial Theorem, Complex Theorem, Functions, High Degree Equations, Inequalities, Linear equations, Logarithm, Quadratic Equations,

2. Arithmetic: Averages, Clocks & Calendars, Simple Interest & Compound Interest, Mixture & Alligations, Profit, Loss & Discounts, Ratio & Proportion, Speed Time & Distance, Time & Work

| TOPICS | SUB-TOPICS |
|---|---|
| Algebra | Binomial Theorem |
| | Complex Numbers |
| | Functions |
| | Higher Degree Equations |
| | Inequalities |
| | Linear Equations |
| | Logarithm |
| | Quadratic Equations |
| Arithmetic | Averages |
| | Clocks & Calendars |
| | Simple Interest & Compoud Interest |
| | Mixture & Alligations |
| | Prcentages |
| | Profit, Loss & Discounts |
| | Ratio & Proportion |
| | Speed, Time & Distance |
| | Time & Work |
| Geometry | Mensuration |
| | Lines & Angles |
| | Circles |
| | Polygons |
| | Triangles |
| | Co-ordinate Geometry |
| | Trigonometry |
| Number System | Base System |
| | Exponents |
| | Factorials |
| | LCM & HCF |
| | Properties of Numbers |

## DATA INTERPRETATION & LOGICAL REASONING

The data interpretation section deals with questions which are asked on the basis of certain information that is provided. The data that needs to be interpreted and solved in these questions are usually given in the form of charts, tables, graphs, and paragraphs. These questions are aimed to test the ability of the student to solve them accurately. Logical Reasoning questions, on the contrary, checks the ability of the candidate to logically evaluate problem statements and then derive the solutions.

| DATA INTERPRETATION | Charts (Column, Pie & Bar) |
|---|---|
| | Tables |
| | Graphs (Line & Area) |
| | Venn Diagram |
| | Data Suficiency |
| LOGICAL REASONING | Logical Sequence |
| | Premise |
| | Clocks & Calendars |
| | Assumption & Conclusion |
| | Binary Logic |
| | Blood Relations |
| | Linear & Matrix Arrangement |
| | Seating Arrangement |
| | Coding & Decoding |
| | Statements & Assumptions |
| | Puzzles |
| ANALYTICAL REASONING | Course of Action |
| | Fact, Inference & Judgement |
| | Logical Deduction |
| | Statement & Assumption |
| | Strong & Weak Arguments |
| | Syllogism |

## VERBAL ABILITY

The verbal ability section of the CAT exams has a dynamic approach towards checking how good is the candidate with English as a language. Here, in this section one is bound to be tested on how well he/she can form sentences. Not only this, the sentence formation skills of the student is further used as a benchmark to create paragraphs and determine the correct usage in English. The following are the 9 question types that are asked in this section.

| READING COMPREHENSION | Reading Comprehension |
|---|---|
| VERBAL ABILITY | Cloze Test |
| | Error Spotting |
| | Fill in the blanks |
| | Sentence Correction |
| | Word Usage |
| | Parajumbles |
| | Paragraph Completion |
| | Paragraph Summary |