



**A Subsidiary of Baluja Labs**  
**An ISO 9001:2000 Certified Company**

**LEET**  
**LATERAL ENGINEERING**  
**ENTRANCE TEST**  
**COACHING PROGRAM**  
Coaching fees Rs 15,000/-

**HELPLINE : 7533015002**

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Main Najafgarh Road, Opp.,  
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New Delhi-58  
Contact: 011-65495934, 9212129295

**WEST DELHI CENTER**

# COACHING PROGRAM STRUCTURE

The **LEET** or **LATERAL ENGINEERING ENTRANCE TEST** is to Provide an **undergraduate degree** in the field of **Engineering**. In majority of the colleges and universities in India, the **Engineering Degree** is offered through a **Common Entrance Test**. Competition Gurukul provides quality coaching to the aspirants of LEET Exam.

## Coaching Program Features

- 3 Months Coaching Program
- Covers Entire Syllabus
- 5 Days Class Sessions
- Daily 30 Minutes Mock Test
- Backup & Doubt Classes at Weekends
- A Set of 5 Mock Test Series in the last Week of the Coaching Program

## Key Coaching Benefits

- High Quality Class Sessions from Highly Qualified, Experienced & trained Teachers
- Exclusive focus on Concept Development & Problem Solving
- Special Methodologies, Tips & Tricks of Finding Solution
- Individual Teachers for each Subject
- An IT-Based Infrastructure with WiFi Connectivity
- Special Learning Aids including lecture notes, audio-video tools
- Free Study Materials

# EXAM PATTERN

**Number of questions and marks per question** may vary from university to university but the **general format** of the test remains the same for most of the universities and institutions. There is **negative marking** for each wrong answer ie is **25%** of the **right answer**.

## Scheme of the Test

- (i) The test paper will contain 150 objective- type question in all. Each question will be provided with four alternative answers marked as (1), (2), (3) and (4). Out of these, only one correct or most appropriate answer should be selected and marked on the OMR answer sheet.
- (ii) Each question shall carry four marks.
- (iii) There will be negative marking for incorrect answers. One mark will be deducted for each incorrect answer.
- (iv) The test will be of two and a half hours duration and will carry 600 marks.
- (v) The medium of the tests will be English only.
- (vi) Candidates should bring a black ball point pen to the examination hall for writing/ marking response (darkening the Ovals) on OMR answer sheet. Use of pencil is not allowed.
- (vii) No requests for re-checking , re-evaluation, re-assessment or security of OMR answer sheet will be entertained.
- (viii) For those who are unable to appear in the test on the scheduled date for any reason, retest will not be held by the University under any circumstances. No refund of fee is permissible.

## Syllabus

Applied Mathematics.....	(25%)
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Fundamentals of Electrical and Electronics.....	(25%)
Fundamentals of Mechanical Engineering and Computer Engineering.....	(25%)

**The following topic are important from the examination point of view:**

- **Mathematics**  
Complex numbers, Quadratic Equations, Progressions, Permutations and Combinations, Binomial; Theorem, Determinants and Matrices, Trigonometric Ratio and Functions, Trigonometric Equations, Properties of triangle, Height and Distance.
- **Mechanics**  
Applied Mechanics
- **Mechanical Engineering**  
Fluid mechanics and Hydraulic machines, strength of material, thermodynamics, heat engine, theory of mechanics, manufacturing processes.
- **Electronics Engineering**  
Semiconductors, diodes and power supplies, transistor, engineering materials, electronic instruments, amplifiers, digital electronics, communication.
- **Electrical engineering**  
Ohm's law, capacitance elementary electric circuit, A.C. fundamentals, RL:C circuits, magnetic field, electrostatics, D.C. machines, induction motors.
- **Computer Engineering**  
Memory, C, Programming languages, Data base management system, computer hardware, computer architecture, LAN, CAD/ CAM, assembler, loader and operating System

# COVERAGE

## **Unit-1 Applied**

Applied Mechanics

## **Unit-2 Applied Mechanics**

1. Determinants and Matrices
2. Quadratic Equations
3. Arithmetic, Geometric and Harmonic Progression
4. Trigonometrical Ratios and Functions
5. Trigonometric Equations
6. Properties of Triangle
7. Coordinate Geometry
8. Circle and System of Circles
9. Functions Limits and Continuity
10. Differentiation
11. Integration
12. Definite Integrals
13. Binomial Expansion
14. Permutations & Combinations
15. Probability
16. Complex Numbers
17. Vector Algebra
18. Paper for Practice

## **Unit-3 Computer Engineering**

1. Fundamentals of Computers
2. Computer Hardware
3. Computer Architecture and Organization
4. Memory

5. Assembler and Operating System
6. Programming in C
7. Programming Languages
8. LAN(Local Area Networks)
9. Internet and it's Basics
10. Data Communications
11. CAD/ CAM and Industrial Applications
12. Glossary of Computer World
13. Model Test Papers

### **Physics**

1. Units and Dimensions
2. Electricity
3. Magnetic Circuits
4. Electrostatics
5. Semiconductor Physics
6. Motion in one Dimension
7. Motion in two and three Dimension
8. Work, Energy and Power
9. Properties of Matter
10. Waves and Vibrations
11. Gravitation
12. Geometric Optics/Light

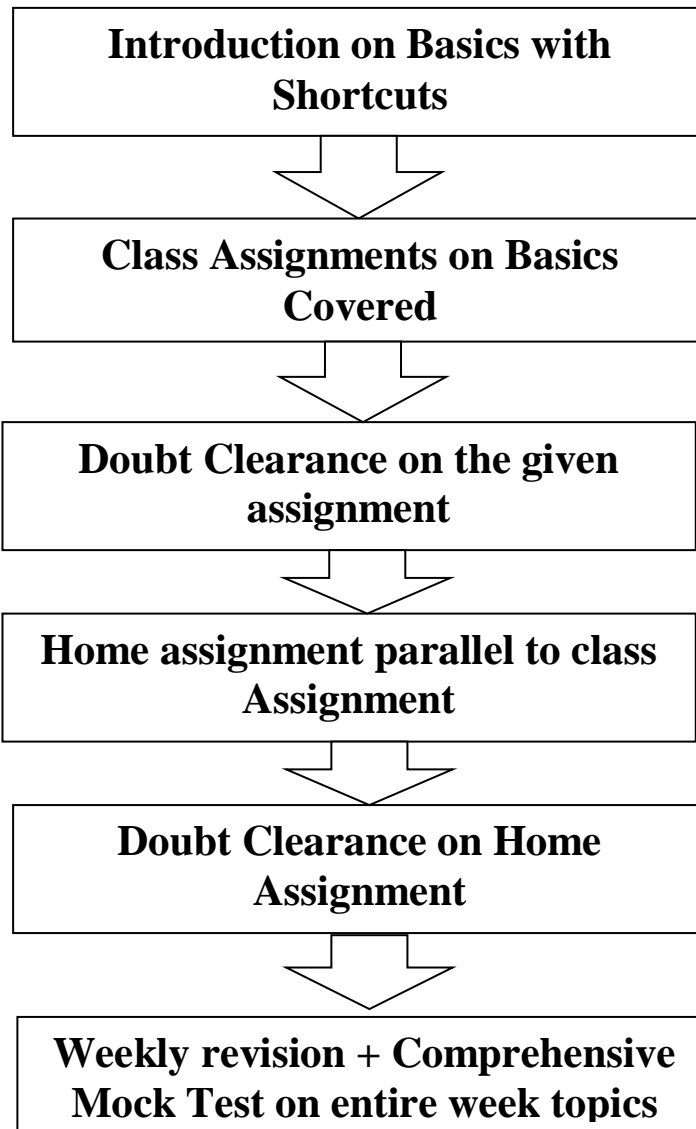
### **Chemistry**

1. Water
2. Structure of Atom
3. Chemical Bonding
4. Chemical Periodicity
5. Equilibrium
6. Acidity, Basicity and pH Value

#### **Unit 4 Logical Reasoning**

1. Series Completion
2. Distance and Directions
3. Analogy
4. Binary Logic and Blood Relation Test3
5. Coding and Decoding
6. Problem Solving
7. Classification
8. Logical Diagram/Venn Diagram
9. Syllogism
10. Logical Reasoning
11. Statement and Assumptions
12. Statement and Agruments
13. Statement and Conclusions
14. Cube and Dice
15. Quant Based Reasoning and General Puzzles

# TEACHING METHODOLOGY



**Our emphasis in all interaction to make your basics strong and shortcuts instead of cramming formulas. A Special orientation on vedic Maths is provided with these sessions to speed your calculation. In bank PO/ Clerk exams there are 15-20 questions based on calculation where you need to be fast and precise due to none of this option. Above flow chart is adopted for all Topics.**