PERA CET Syllabus For BTech

Physics:

- Ray Optics
- Thermodynamics
- Semiconductors
- Electromagnetic Waves
- Gravitation
- Magnetism
- Alternating Current
- Wave Optics
- Electromagnetic Induction
- Oscillations
- Kinematics
- Rotation
- Current Electricity
- Electrostatics
- Magnetic Effects of Current
- Properties of Matter
- Bohr's Atomic Model
- Waves and Sound

Chemistry

- Gaseous and Liquid States
- Atomic Structure
- Chemical Kinetics
- Electrochemistry
- Chemical Bonding
- Surface Chemistry
- Coordination Compounds
- D-block Elements
- Aromatic Compounds
- Alkyl Halides
- P-block Elements
- Thermodynamics
- Isomerism
- General Organic Chemistry
- Carboxylic Acids
- Aldehydes and Ketones
- Nuclear Chemistry.

Mathematics:

- Vectors
- 3D Geometry
- Sequence and Series
- Determinants and Matrices
- Circles
- Straight Lines
- Definite Integral
- Probability Distribution
- Functions
- Limits and Continuity
- Conic Sections
- Application of Derivatives
- Quadratic Equation
- Complex Numbers
- Binomial Theorem
- The area under the Curve
- Differentiability.

PERA CET Syllabus For MBA

Quantitative Aptitude:

This section assesses your mathematical skills. Expect questions on:
Number systems
Arithmetic (percentages, profit/loss, interest, etc.)
Algebra
Geometry
Data interpretation (tables, graphs, charts)

Logical Reasoning:

This tests your analytical and problem-solving abilities. Topics include:
Arrangements
Syllogisms
Blood relations
Coding-decoding
Logical sequences

Verbal Ability and Reading Comprehension:

This section focuses on your language proficiency. You'll encounter:
Reading comprehension passages

Vocabulary (synonyms, antonyms)
Grammar
Sentence correction
Para jumbles

Abstract Reasoning:

This section tests your non-verbal reasoning. It involves the ability to decipher patterns and relationships from visual information.

PERA CET Syllabus For MCA

Mathematics:

This section covers fundamental mathematical concepts, including:
- Algebra
- Calculus
- Statistics
- Probability
- Coordinate Geometry

Logical Reasoning:

This section assesses your analytical and problem-solving skills. Expect questions on:
- Analytical Reasoning
- Logical Puzzles
- Deductive and Inductive Reasoning
- Pattern Recognition
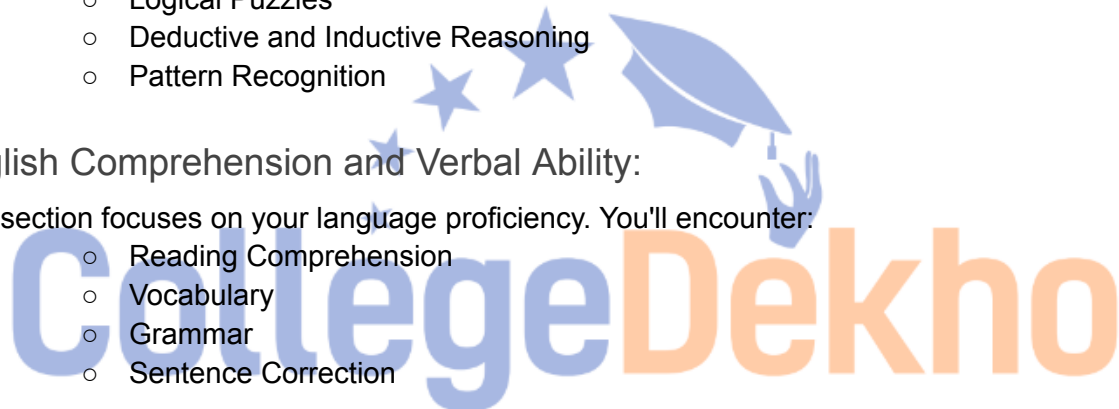
English Comprehension and Verbal Ability:

This section focuses on your language proficiency. You'll encounter:
- Reading Comprehension
- Vocabulary
- Grammar
- Sentence Correction

Computer Concepts:

This section tests your basic knowledge of computer science, including:
- Basic Computer Architecture
- Data Structures
- Operating Systems
- Database Management Systems (DBMS)
- Programming concepts, especially C and C++

- Web Technology