Directorate Of Technical Education, Assam (DTE Assam)

Assam PAT Exam Pattern

Subject Names	Marks	Duration
Science (Physics & Chemistry part)	100	2 Hours
Mathematics		

- Admission test will be held on the subject of Science (Physics & Chemistry part) and Mathematics.
- The test will be Optical Marks Recognition (OMR) based.
- There will be a single question paper comprising of questions covering the subjects of Science (Physics & Chemistry part) and Mathematics with a total of 100 marks of 2 hours duration. The question paper will be of the H.S.L.C. level (class X) standard.
- The questions will be of objective type having multiple choices.
- https://exams.freshersnow.com/
- Candidates are to bring a black ball pen for marking the OMR sheet.

Assam Polytechnic PAT Syllabus

Mathematics

- Arithmetic Progression
- Arithmetic Mean
- Geometric Progression
- Geometric Mean
- Coordinate Geometry
- Straight lines
- Conic section
- Circle
- Ellipse Parabola
- Hyperbola
- Introduction to three-dimensional geometry
- Calculus
- Mathematical Reasoning

Directorate Of Technical Education, Assam (DTE Assam)

- Statistics & Probability
- Relations & Functions
- Matrices, Determinants
- Continuity & Differentiability
- Application of Derivatives
- Integrals
- Applications of Integrals
- Differential Equations
- Vectors & three-dimensional geometry
- Linear Programming
- Probability
- Sets & Functions
- Finite & Infinite sets
- Equal sets, Subsets
- Union & Intersection of sets
- Difference &Compliment of a set
- Relations & Functions
- Ordered pairs
- Cartesian product of sets
- Domain & range of function
- Product & Quotient of Functions
- Pictorial representation of functions
- Trigonometric functions Positive & Negative angles
- Measuring angles in radians
- Binomial Theorem Pascal's Triangle
- Sequence & series
- Truth of the identity
- Signs of trigonometric functions
- Principle of Mathematical Induction
- Complex numbers & quadratic equations Linear Inequalities
- Permutations & Theorem.

Science

- Physics
- Chemistry