



**Teoler Group of Institutions**  
**Teoler Career Aptitude Test (T-CAT 2023)**  
**October 22, 2023**  
**for Grade 10 Students**



	SUBJECT	No of Questions	PAPER DURATION	SYLLABUS	MARKING
PAPER 1	MATHS	22	130 Minutes	1. Real Numbers 2. Polynomials 3. Pair of Linear Equations in Two Variables 4. Quadratic Equations 5. Arithmetic Progressions 6. Triangles 7. Coordinate Geometry 8. Introduction to Trigonometry 9. Some Applications of Trigonometry 10. Areas Related to Circles 11. Surface Areas and Volumes	+4, -1
	PHYSICS	13		1. Light - Reflection and Refraction 2. The Human Eye and the Colourful World 3. Electricity 4. Magnetic Effects of Electric Current 5. Motion 6. Forces and Laws of Motion 7. Gravitation	+4, -1
	BIOLOGY	22		1. Life Processes 2. Control and Coordination 3. How do Organisms Reproduce? 4. Heredity and Evolution 5. Our Environment 6. The Fundamental Unit of Life 7. Tissues	+4, -1
	CHEMISTRY	13		1. Chemical Reactions and Equations 2. Acids, Bases and Salts 3. Metals and Non Metals 4. Carbon and its Compounds 5. Periodic Classification of Elements 6. Atoms and Molecules 7. Structure Of The Atom	+4, -1
	LOGICAL ABILITY	20		1. Number Series 2. Alphabet Series 3. Blood Relation 4. Coding – Decoding 5. Cubes and Dice 6. Direction Sense 8. Insert the Missing Character 9. Mathematical Operation 10. Number Ranking 11. Venn – Diagram 12. Clock 13. Calendar 14. Sitting Arrangement	+4, -1
PAPER 2	ENGLISH	22	45 minutes	1. Reading Comprehension 2. Grammar 3. Vocabulary	+4, -1
	PSYCHOMETRIC TEST	92		General Pschyometric Questions	