Everything You Need to Know About the AST Ministry Exam

The ministerial examination, commonly known as the *ministry exam*, is a compulsory written exam that students take at the end of Secondary IV. It counts for 50% of the theory component mark. The exam is divided into 3 parts, and students have 3 hours and 15 minutes to complete it.

An Exam Divided in 3 Parts							
<u> </u>	Question Type	Number of Questions	Number of Questions in Each Major Area				
Part			Earth and Space	Material World	Technological World		
А	Multiple-choice	15	1	9	5		
В	Constructed- response	4	1	2	1		
С	Technological analysis	6	1	0	6		

Documents Provided

- Student Booklet (parts A, B, and C)
- Scannable answer sheet (Part A)
- Reference document
 List of formulas and quantities
 Diagrams of the technical object

Authorized Materials

- Pencils
- Ruler
- Calculator



Forbidden

Any data or programs stored on a calculator must be deleted before the exam.

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AST Concepts Subject to Assessment

Material World					
Chemical Changes					
Oxydation Combustion					
Electricity and Magnetism					
Electrical charge Static electricity Ohm's law Electrical circuits Relationship between power and electrical energy Forces of attraction and repulsion Magnetic field of a live wire Magnetic field of a solenoid					
Electromagnetic induction					
Energy Transformations					
☐ Law of conservation of energy☐ Energy efficiency					
Fluids					
Archimedes' principle Pascal's principle Bernoulli's principle					
Force and motion					
☐ Force ☐ Types of forces ☐ Equilibrium of two forces ☐ Relationship between constant speed, distance and time ☐ Mass and weight					

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	Technolog	Technological World				
	Graphic Language	Materials				
	 Multiview orthogonal projection (general drawing) Functional dimensioning Developments (prism, cylinder, etc.) Diagrams and symbols 	Contraints Properties of materials Plastics Ceramics Degradation and protection				
	Mechanical engineering	Electrical engineering				
	Adhesion and friction of parts Linking Degree of freedom Guiding controls Motion transmission systems Speed Changes Motion transformation systems Manufacturing Drilling Bending Tapping Threading	Power supply Conduction Protection Insulation Control Types of switches Energy transformation Resistors and their colour code Condenser Diode Relay				
	Earth and Space	Practice Tools				
	Catchment areas Cyclones and anticyclones Earth-Moon system (gravitational effect) Energy resources	Part A Part B				

Earth and Space Catchment areas Cyclones and anticyclones Earth-Moon system (gravitational effect) Energy resources Study tools Summary by Major Area Material World Space World

