Grade 11 November Exam Scope

Mathematics:

Paper 1 – 2,5 hours

- 1. Exponents
- Surds
- Equations and inequalities, completing the square
- Nature of roots
- Number Patterns
- Functions straight line, parabola, hyperbola, exponential graphs
- Finance
- Probability 3 circle Venn diagrams, tree diagrams, contingency tables, independent events

Paper 2 - 2,5 hours

- Analytical geometry
- 2. Trigonometry reduction formulae, equations, identities, trig on the Cartesian plane
- Trig graphs
- Circle Euclidean geometry
- Statistics
- Trigonometry solving triangles using SOH CAH TOA, sin rule, cos rule and area rule
- Measurement

Life Sciences

Paper 1 - 2,5 hours

- Supporting systems and movement in animals human skeleton, joints, and muscles.
- Transport in animals the human circulatory system, heart structure, blood vessels, blood, and lymph as a tissue.
- Excretion in humans and the urinary system.
- The Human nervous system
 - The nervous systems
 - The brain, spinal cord, and reflex arc
 - Nerve tissue and transmission of nerve impulses
 - Receptors

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