



UGANDA NATIONAL EXAMINATIONS BOARD

OUR REFERENCE: TD/6

Plot 35, Martyrs Way, Ntinda
P O Box 7066, Kampala, Uganda

YOUR REFERENCE:

4th May, 2023

CIRCULAR TO ALL SCHOOLS

UACE CENTRES OFFERING SUBSIDIARY MATHEMATICS
S475/1

NEW EXAMINATION FORMAT FOR SUBSIDIARY MATHEMATICS S475/1

Please note that with effect from **UACE 2023**, the examination format of subsidiary mathematics S475/1 will be based on the revised Advanced Level Syllabus (2020) by the National Curriculum Development Centre (NCDC).

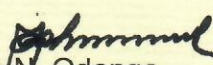
Only **one** paper will be administered. The duration of the paper will be 2 hours 40 minutes. The paper will consist of two sections: Section A and B.

Section A will comprise of **Eight (8) compulsory** short answer questions. Four (4) questions from Pure Mathematics and Four (4) from Statistics. Each question in this section will carry 05 marks giving a total of 40 marks.

Section B will consist of **two parts**; Part 1 will be Pure Mathematics and Part 2 will be Statistics. Each part will comprise four (4) extended answer questions.

Candidates will be required to answer **Four (4)** questions from this section, selecting **at least one** question from each part. Each of the four questions attempted in this section will carry 15 marks, giving a total of 60 marks.

Attached are the Subsidiary Mathematics topics.


Dany N. Odongo
EXECUTIVE DIRECTOR

P.T.O

SUBSIDIARY MATHEMATICS TOPICS:**Pure Mathematics**

- Matrices and their Applications
- Linear Programming
- Quadratics
- Indices, Logarithms, Surds
- Series
 - Arithmetic Progression
 - Geometric Progression
- Permutations and Combinations
- Vectors
- Trigonometry
 - General Angle
 - Pythagorean Identities
- Differentiation
 - Derivative of a Function
 - Second Derivative
 - Curve sketching
 - Maximum and Minimum
 - Displacement, Velocity and Acceleration
- Integration
 - Definite and Indefinite integrals
 - Area Under a Curve
 - Displacement, Velocity and Acceleration
- Differential Equations

Statistics

- Statistics
 - Types of Data
 - Organisation of Data
 - Measures of Central Tendency
 - Measures of Dispersion
- Moving Averages
- Index Number
- Scatter Diagrams and Correlation
- Probability Theory
- Random Variables
 - Discrete Random Variables
 - Binomial Distribution
- Continuous Random Variables
- Normal Distribution