

PREPARATORY EXAMINATION/ VOORBEREIDENDE EKSAMEN

GRADE 12/GRAAD 12

MATHEMATICAL LITERACY P1/ WISKUNDIGE GELETTERDHEID VI

SEPTEMBER 2022

MARKING GUIDELINES/ NASIENRIGLYNE

MARKS/PUNTE: 150

Symbol/Kode	Explanation/Verduideliking
M	Method/Mesode
MA	Method with accuracy/Metode van akkuraanheid
CA	Consistent accuracy/Volgehoue akkuraatheid
A C	Accuracy/Akkuraatheid
C	Conversion/Herleiding
5	Simplification/Vereenroudiging
RT	Reading from a table/graph/diagram/Lees vanaf tabel/grafiek/diagram
SF O	Correct substitution in a formula/Korrekte vervanging in'n formule
	Opinion/Example/Definition/Explanation/Opinio/Voorbeeld/Definisto/Verduideliking
P	Penalty, e.g., for no units, incorrect rounding off, etc./Penalisasie, bv. vir geen eenhode, verkeerde afronding ens.
R	Rounding of VA fronding
NPR	No penalty for correct rounding/Geen penalisering vir korek afronding nie
NPU	No penalty for the units/Geen penalisering vir eenhede nie
AO	Answer only, if correct, full marks/Slegs arenoord, indien korrek, volpunte
MCA	Method with consistent accuracy/Metode mer volgehoue akkuraasheid

These marking guidelines consists of 13 pages.

Hierdie nasienriglyne bestaan uit 13 bladsye.

<u>Mathematical Literacy P1 Preparatory Examination</u> <u>September 20131</u>

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web compressor capacity is volume of compressed air flow upon a particular given time and is expressed in m 3 hour or l min various compressor types vary in capacity to specify particular application of compressor equipment amount of inlet air consumed upon a particular given time prior to compression is also considered a unit capacity

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web numerical simulation of a centrifugal compressor ijera journal in this paper the tip clearance effects on flow field of a low speed centrifugal compressor without and with partial shroud ps fitted on to the rotor blade tip at three values of tip clearance viz 2 2 5 1 and 7 9 of rotor blade height at the exit at three flow