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**TO: DISTRICTS HEADS OF EXAMINATIONS  
PRINCIPALS OF SCHOOLS IN THE FET BAND**

**FROM: (A) CES: ASSESSMENT INSTRUMENT DEVELOPMENT AND ITEM  
BANK MANAGEMENT  
MRS F. NTSANGANI**

**SUBJECT: ERRATA – MATHEMATICS P2  
GRADE 12 PREPARATORY EXAMS**

**DATE: 15 SEPTEMBER 2022**

Mathematics P2 was written on Monday, 12 September 2022. We were made aware of certain errors, amendments and omissions that were discovered during the marking process.

In order to address this and to ensure that the learners are not disadvantaged, the following standardised approach to marking must be adopted across the Province. The following guidelines with regard to marking was prepared in conjunction with the examiner and moderator.

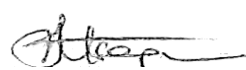
**ERRATA: MATHEMATICS P2 (MARKING GUIDELINE)**

1.2	Anchor point must be (420 ; 0) Upper Limit – 780 Last point has $y - coordinate$ of 100	
1.3	Mark according to learner's Ogive.	
1.4	Please accept between 42% - 44%. Marking must be according to the learner's response on their drawing of the Ogive.	
2.1	No penalty for rounding.	
2.2	No penalty for rounding.	
2.3	Accept if learner states that 5,4 is within the domain of the data set. Or if learner mentions that it is valid as the correlation coefficient is 0,92.	
2.4.1	Accept if learner merely states that the mean will change.	

3.1.3	Alternative Solution: $\tan M\hat{R}K = 1$ $\therefore M\hat{R}K = 45^\circ$ $R\hat{M}K = 90^\circ$ $\therefore M\hat{K}R = 45^\circ$	
5.2.2	<b>Correction on Marking Guideline</b> $1 + 2 \cos 105^\circ \cdot \sin 15^\circ$ $= 1 - 2 \cos 75^\circ \cdot \sin 15^\circ$ $= 1 - 2 \sin 15^\circ \cdot \sin 15^\circ$ $= 1 - 2 \sin^2 15^\circ$ $= \cos 2(15^\circ)$ $= \cos 30^\circ$ $= \frac{\sqrt{3}}{2}$	<ul style="list-style-type: none"> <li>✓ for reduction of <math>\cos 105^\circ</math></li> <li>✓ for reduction of <math>\cos 75^\circ</math></li>   <li>✓ for <math>\cos 30^\circ</math></li> <li>✓ for the answer</li> </ul>
5.4	<b>2 marks for values of <math>\tan x</math>.</b> / One tick missing on marking guideline.	
6.2.1	Period/ Periode = $1080^\circ$	
6.3	Maximum distance = 4 units	
7.3	Final line: $TP = \sqrt{3} \cdot 300(\cos x - \sqrt{3} \sin x)$	
8.3	$R\hat{Q}T = 112^\circ$ (sum of angles of a triangles)	
10.1	Mark allocation to be done as follows: <ul style="list-style-type: none"> <li>✓ for construction.</li> <li>✓ for proving triangles congruent</li> <li>✓ for deduction that <math>A\hat{P}Q = \hat{E}</math></li> <li>✓ for <math>PQ \parallel BC</math> ✓ for corresponding angles equal.</li> <li>✓ for the deduction of the ratios.</li> </ul>	
10.2.3	In $\Delta ABS$ and $\Delta STM$ (1) $\hat{A} = \hat{S}_2$ (2) $\hat{B} = \hat{S}\hat{T}M$ ( angles in same segment) (3) $\hat{S}_1 = \hat{M}_3$ (proven) $\Delta ABS \parallel \Delta STM$ (A, A, A)	

We request that this must be brought to the attention of all educators marking this paper and sincerely apologise for the inconvenience.

Yours in quality education.



Mrs F. Ntsangani

15 SEPTEMBER 2022

DATE