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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 – PHYSICAL SCIENCES P2  
GRADE 12 PREPARATORY EXAMS**

**DATE: 22 SEPTEMBER 2022**

Physical Sciences P2 was written on 19 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: PHYSICAL SCIENCES P2 (MARKING GUIDELINE)**

<b>QUESTION</b>	<b>CORRECTION</b>
2.3	Correct answer: 3-ethyl-2-methyl pentanoic acid ✓✓✓
3.2.1 and 3.2.2	No NEGATIVE Marking
3.2.2	Correction <ul style="list-style-type: none"> <li>Both have hydrogen bonds ✓</li> </ul>

	<ul style="list-style-type: none"> <li>• Intermolecular forces are stronger in propanoic acid are stronger√( than in propan-1-ol)</li> <li>• More energy is needed to overcome intermolecular forces in propanoic acid√ (than in propan-1-ol)</li> </ul> <p>(Note: Do not penalize for “breaking bonds” in place of overcoming intermolecular forces since these are hydrogen bonds )</p> <p>OR</p> <ul style="list-style-type: none"> <li>• Both have hydrogen bonds</li> <li>• Intermolecular forces in propan-1-ol are weaker than in propanoic acid</li> <li>• Less energy is needed to overcome intermolecular forces in propan-1-ol (than in propanoic acid)</li> </ul>
4.1.5	Afrikaans version should read: Pentanoesuur
4.2.1	Add a second tick on Memo
4.2.3	Remove the extra bond and hydrogen in the organic reactant
5.4.2	<p><b>Third bullet</b></p> <p><i>Accept</i> Frequency of effective collision increases</p> <p>OR Frequency of effective collisions decreases ( in Option 2)</p>
5.4.3	Both <b>X</b> and $E_a$ must be on graph for marks to be awarded
6.1.4 and 6.1.5	No NEGATIVE Marking

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

22 SEPTEMBER 2022  
DATE