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Ref. No. 13/P

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

**FROM: CES: INSTRUMENT DEVELOPMENT AND MODERATION SECTION  
MS N. MBELEKI**

**SUBJECT: ERRATA – PHYSICAL SCIENCES P2 GRADE 12 SEPTEMBER 2017**

**DATE: 13 SEPTEMBER 2017**

The Physical Sciences P2 Grade 12 September was written on Monday, 06 September 2017. During the course of marking a number of corrections and additions that needed to be affected was brought to our attention. In order to ensure that a standardised approach to marking is adopted across the Province and ensure that learners are not disadvantaged the examiner and moderator were asked to prepare an errata which should address all the concerns raised.

## ERRATA

QUEST.			MARKS
4.2.2	Bonds shifted during the printing process with regard to the table – candidates will not be able to answer 4.2.2.	Mark out of 149 and scale up to 150	
4.2.3	24 dm <sup>3</sup> used for V <sub>m</sub> in place of 22.4 dm <sup>3</sup>	$n(\text{O}_2) = V/V_m = 96/22.4 = 4.29 \text{ mol}$ $n(\text{C}_6\text{H}_{14}) = 2/19 \times 4.29 = 0.45 \text{ mol}$ Net energy released = $0.45 \times -4\ 163$ $= -1\ 873.35 \text{ kJ}$	
7.2.3	Concentration used is 0.2 mol.dm <sup>-3</sup> in place of 0.1 mol.dm <sup>-3</sup>	$n = cV = 0.1 \times 20/1000$ $= 0.002 \text{ mol } (2 \times 10^{-3} \text{ mol})$ Positive marking from 7.2.2	
7.2.4		$n(\text{H}_2\text{X}) = \frac{1}{2} \times (0.002) = 0.001 \text{ mol}$ $c(\text{H}_2\text{X}) = n/V = 0.001/(40/1000) = 0.025 \text{ mol.dm}^{-3}$ $\text{pH} = -\log[\text{H}_3\text{O}^+] = -\log(0.025) = 1.6$ POSITIVE MARKING FROM 7.2.3	

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

Yours in education.



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**MS N. MBELEKI**

13 September 2017

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**DATE**