<u>Carbonates – 2022 Nov IGCSE Chemistry 0620</u>

1. Nov/2022/Paper_11/No.31

Which reactions produce carbon dioxide?

- addition of dilute nitric acid to copper(II) carbonate
- 2 heating zinc carbonate
- 3 combustion of methane
- **A** 1, 2 and 3 **B** 1 and 2 only **C** 1 and 3 only **D** 3 only

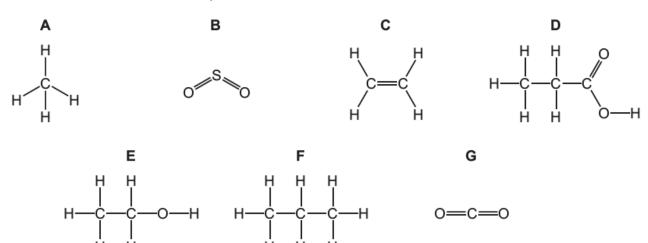
2. Nov/2022/Paper 11,12,13,21,22/No.33

Papacambridge Which substance gives off carbon dioxide on heating?

- Α lime
- limestone
- С limewater
- slaked lime

3. Nov/2022/Paper_31/No.1(a)

The structures of seven compounds, A, B, C, D, E, F and G, are shown.



Answer the following questions about these structures. Each structure may be used once, more than once or not at all.

- (a) State which structure, A, B, C, D, E, F or G, represents:
 - (i) a compound that contributes to acid rain

 (ii) a product of respiration

 [1]

 (iii) a hydrocarbon that decolourises aqueous bromine

 [1]

 (iv) a carboxylic acid

 [1]

 (v) a compound that is the main constituent of natural gas.

.....[1]

4.	Nov/2022/Paper 33/No.1(c)			
		When a hydrocarbon undergoes incomplete combustion, carbon monoxide is formed.		
		(i)	State the meaning of the term incomplete combustion.	
				[1]

(ii) Give one adverse effect of carbon monoxide on health.

