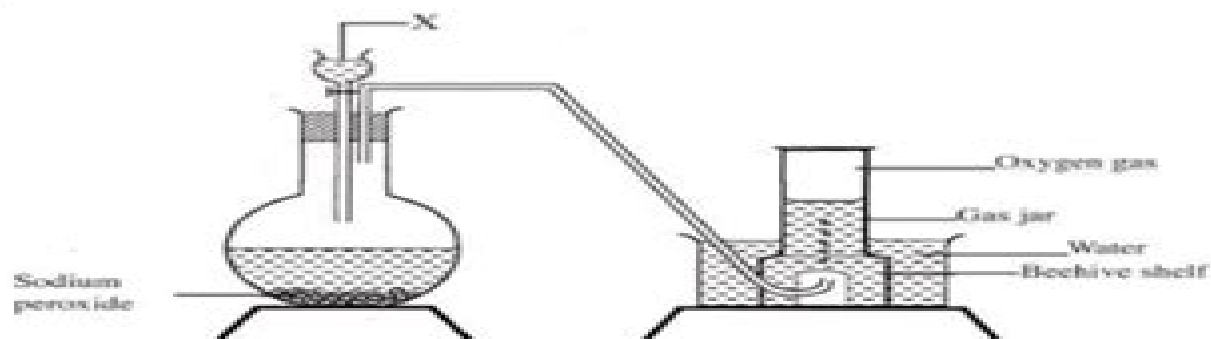


3.6 CHEMISTRY (233)

3.6.1 Chemistry Paper 1 (233/1)

- 1 The set up below can be used to prepare oxygen gas. Study it and answer the questions that follow.



- (a) Identify X. (1 mark)
- (b) What property of oxygen makes it possible for it to be collected as shown in the above set up? (1 mark)
- (c) State **two** uses of oxygen. (1 mark)
- 2 Write equations to show the effect of heat on each of the following:
- (a) sodium hydrogen carbonate; (1 mark)
- (b) silver nitrate; (1 mark)
- (c) anhydrous iron (II) sulphate. (1 mark)
- 3 Describe an experimental procedure that can be used to extract oil from nut seeds. (2 marks)
- 4 In terms of structure and bonding, explain the following observations:
- (a) the melting point of aluminium is higher than that of sodium; (1¹ : marks)
- (b) melting point of chlorine is lower than that of sulphur. (1¹ : marks)

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A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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