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**CLASS: IX CYCLE TEST- CHEMISTRY MARKS : 20**

**DATE: 9.9.19 Time: 40min**

**I. Answer the following questions:**

1.  The formula for quicklime is\_\_\_\_\_\_\_\_\_ **(1)**

       a.CaCl2 b. CaCo3 c. Ca (OH)2 d. CaO

2. A molecule of oxygen consists of how many atoms of oxygen? **(1)**

 a. 6 b.3 c.2 d.0

3. Which of the following statements is true about an atom? **(1)**

a. Atoms are not able to exist independently.

b. Atoms are the basic units from which molecules and ions are formed.



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c. Atoms are always neutral in nature.

 d. Atoms aggregate in large number s to form the matter that we can see, feel or touch.

3. ‘Dalton’s atomic theory is contradicted by the formula of sucrose (C12 H22 O11).’ Justify the statement. **(3)**

4. In a reaction 7.6 g of sodium carbonate reacted with 9 g of ethanoic acid. The products were 3.2 g of carbon dioxide, 1.9 g of water and 11.5 g of sodium ethanoate. Show that these observations are in agreement with the law of conservation of mass. **(3)**

5. Differentiate between atoms and molecules. **(3)**

6. Write the chemical formula for the following: **(3)**

 a. Calcium carbonate b. Zinc chloride c. Silver sulphate

7. State the Dalton’s atomic theory. **(5)**

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