**PATFIN HIGH SCHOOL, AKESAN, LAGOS STATE.**

**FIRST TERM EXAMINATION [2019 / 2020]**

**CLASS : S. S. S. 1**

**NAME : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SUBJECT : CHEMISTRY**

**INSTRUCTION:ANSWER ALL QUESTIONS TIME: 2 HOURS**

1. Chemistry is defined as \_\_\_\_\_\_\_\_\_. [a] A branch of science which produces chemicals. [b] A branch of science which makes physics and biology clearer. [c] The oldest branch of science.
2. Scientific approach to discoveries follows the order which includes \_\_\_\_\_\_\_\_\_\_ . [a] Further experiments and problems solving. [b] Theory , negative and positive results and experiment. [c] experiment , hypothesis and results [d] observation , hypothesis and experiments
3. The addition of water to Calcium Oxide leads to\_\_\_\_\_\_\_\_\_\_\_. [a] Physical changes [b] Chemical Changes [c] Endothermic Changes [d] Formation of a mixture
4. Which of the following is a physical change. [a] Freezing of ice-cream [b] Dissolving calcium in water. [c] Burning kerosene [d] Exposing white phosphorus to air
5. Sieving is a technique used to separate mixtures containing solid particles of \_\_\_\_\_\_\_\_\_\_\_. [a] Small sizes [b] Large sizes [c] The same size [d] Different sizes
6. These are basic particles from which matter could be made except \_\_\_\_\_\_\_\_\_\_\_\_. [a] Salt [b] Atom [c] Ion [d] Molecules
7. The atomicity of Ozone is \_\_\_\_\_\_\_\_\_\_ [a] 1 [b] 2 [c] 3 [d] 4
8. A molecule is the smallest particle of \_\_\_\_\_\_\_\_\_\_\_\_. [a] A matter that can exist in free state. [b] An element that can exist in free state. [c] A radical that can exist in free state. [d] A lattice that can exist in free state.
9. How many atoms are contained in 1 mole of hydrogen molecule H2 ? [a] 18.09 X 10 atoms [b] 12.06 X 10 atoms [c] 6.02 X 10 atoms [d] 6.02 X 10 molecules
10. The percentage of oxygen in Sulphur IV oxide, SO2 ( S = 32 , 0 = 16 ) ? [a] 5% [b] 50% [c] 25%
11. Rusting can be prevented by the following except \_\_\_\_\_\_\_\_\_\_\_. [a] Alloying [b] Cathodic protection. [c] Application of protective coating [d] Supportive method
12. These are adverse effects of chemistry except \_\_\_\_\_\_\_\_\_\_ [a] Pollution [b] Corrosion [c] Drug Abuse [d] Population
13. A substance is said to be impure if \_\_\_\_\_\_\_\_\_\_. [a] It’s melting point is range is wide. [b] it dissolves in water with difficulty [c] It has a low melting point [d] it is coloured.
14. Which of the following phenomena leads to a decrease in volume of liquid in an open container.? [a] Brownian motion [b] Diffusion [c] Evaporation [d] Sublimation.
15. A solid can be obtained from its saturated solution by \_\_\_\_\_\_\_\_\_\_\_. [a] Filtration [b] Crystallization [c] Condensation [d] Decomposition
16. When a solid substance disappears completely as a gas on heating, the substance is said to have undergone \_\_\_\_\_\_\_\_\_\_\_\_. [a] Evaporation [b] Distillation [c] Sublimation [d] Crystallization
17. Fractional distillation is used to separate
18. An insoluble substance from a soluble volatile substance
19. Substances which are absorbed differently and which differs in their solubility in a solvent.
20. Liquids with differing boiling points
21. Gas , liquids or solid impurities from a mixtures.
22. One mole of oxygen atoms \_\_\_\_\_\_\_\_\_\_\_. [a] Has a molar mass of 32g [b] Has 6.02 X 10 molecules . [c] Can be represented as 02 [d] Contains Avogadro’s number of atoms
23. 3NH3 is \_\_\_\_\_\_\_\_\_\_\_\_. [a] Three molecules of ammonium [b] Three moles of Ammonia [c] Six moles of Ammonium [d] Six moles of Ammonia
24. The molar mass of Oxygen gas 02 is ? ( 0 = 16g ) [a] 16g [b] 32g [c] 64g [d] 128g