

- \_\_\_\_\_ 1. Which one is not fundamental physical quantity?
- A. Luminous intensity
  - B. Amount of substance
  - C. Electric current
  - D. Pressure
- \_\_\_\_\_ 2. Which one is the formula of sodium carbonate?
- A.  $\text{Na}_2\text{CO}_3$
  - B.  $\text{Na}_2\text{SO}_4$
  - C.  $\text{NaHCO}_3$
  - D.  $\text{NaHPO}_4$
- \_\_\_\_\_ 3. Sulphates are salts of:- \_\_\_\_\_
- A. Hydrochloric acid
  - B. Sulphuric acid
  - C. Phosphoric acid
  - D. nitric acid
- \_\_\_\_\_ 4. The comparison of unknown quantity with some known quantity is called?
- A. Derived
  - B. Vector
  - C. Measurement
  - D. scalar
- \_\_\_\_\_ 5. Which one is not metallic oxide?
- A.  $\text{CaO}$
  - B.  $\text{MgO}$
  - C.  $\text{Al}_2\text{O}_3$
  - D.  $\text{SO}_3$
- \_\_\_\_\_ 6. The idea that matter is discrete was proposed by:-
- A. Aristotle
  - B. Democritus
  - C. Einstein
  - D. Dr. Melaku
- \_\_\_\_\_ 7. Which one is not derived physical quantity?
- A. Pressure
  - B. Force
  - C. Volume
  - D. Current
- \_\_\_\_\_ 8. Which one is not common laboratory acid?
- A.  $\text{HCl}$
  - B.  $\text{H}_2\text{SO}_4$
  - C.  $\text{HNO}_3$
  - D.  $\text{NaOH}$
- \_\_\_\_\_ 9. Which one is the SI unit of luminous intensity?
- A. Mole
  - B. Ampere
  - C. kelvin
  - D. candela
- \_\_\_\_\_ 10. The outer layer of the body that covers the internal part of the body is
- A. Lung
  - B. Hair
  - C. gland
  - D. Skin
- \_\_\_\_\_ 11. Which one is caustic soda?
- A.  $\text{KOH}$
  - B.  $\text{NaOH}$
  - C.  $\text{Ca(OH)}_2$
  - D.  $\text{NH}_3$
- \_\_\_\_\_ 12. These used to reduce excess water loss protect from light rays and entry of disease causing microorganism is called?
- A. Medulla
  - B. Epidermis
  - C. Dermis
  - D. Nail Plate
- \_\_\_\_\_ 13. The name of the  $\text{C}_{10}\text{H}_{18}$  chemical formula is:-
- A. Decane
  - B. Decene
  - C. Decyne
  - D. Octadecyne

- \_\_\_\_\_ 14. which one is different from the other?
- A. Carbondioxide                      C. Carbohydrate  
B. Carbonmonoxide                      D. Cylver cyanate
- \_\_\_\_\_ 15. an object is taken from mars to puluto which quantity remains unchanged?
- A. Volume    B. Density    C. Weight    D. Mass
- \_\_\_\_\_ 16. which one of the following pairs of compounds produce calcium sulphate?
- A. Calcium oxide and hydrochloric acid  
B. Calcium hydroxide and nitric acid  
C. Calcium oxide and water  
D. Calcium hydroxide and sulpheric acid
- \_\_\_\_\_ 17. Which of the following is not the indigenous unit of volume?
- A. Tassa    B. Kubaya    C. Liter    D. Sini
- \_\_\_\_\_ 18. Which of the following salt is used as baking powder?
- A.  $\text{Na}_2\text{CO}_3$     B.  $\text{CaCO}_3$     C.  $\text{KNO}_3$     D. Nacl
- \_\_\_\_\_ 19. The actual force of the object is 400N, if you measure the force of this object three times to get 399.99N, 400.01N and 400.00N values?
- A. Both accurate and precession  
B. Imprecision but accurate  
C. Accurate but imprecision  
D. Neither precession nor accurate
- \_\_\_\_\_ 20. Which one of the following is inner layer of skin?
- A. Epidermis    B. Dermis    C. Hypodermis    D. Cuticle
- \_\_\_\_\_ 21. Which one is the correct relation?
- A. 1mile=160gm                      C. 1km=100m  
B. 1foot= $3.048 \times 10^{-2}$ m                      D. 1m=10cm
- \_\_\_\_\_ 22. Blue litmus paper will change to red in \_\_\_\_\_
- A. Vinegar                      C. Sodium hydro oxide  
B. Water                      D. Calcium hydro oxide
- \_\_\_\_\_ 23. Salt of HCL are \_\_\_\_\_
- A. Sulphate    B. Chloride    C. Sulphite    D. None
- \_\_\_\_\_ 24. Which one of the following the SI unit of power?
- A. Watt    B. Joule    C. Pascal    D. erg

- \_\_\_\_\_ 25. which one of the following group of salt can be prepared by direct combination of elements?  
A. Sulphates      B. Nitrates      C. Phosphates      D. Chlorides
- \_\_\_\_\_ 26. Most kids start Magic Carpet School education when they are 4 years old.  
How many days is this age?  
A. 4611 days      B. 6411 days      C. 1461 days      D. 1164 days
- \_\_\_\_\_ 27. Which one is acid compound?  
A. NaOH      B. HBrO<sub>2</sub>      C. KOH      D. Ca(OH)<sub>2</sub>
- \_\_\_\_\_ 28. Which one of the following is the SI unit of fundamental physical quantity?  
A. m/s      B. m      C. M/s<sup>2</sup>      D. Kg/m/s<sup>2</sup>
- \_\_\_\_\_ 29. Acid taste is \_\_\_\_\_  
A. Sweet      B. Sour      C. Bitter      D. Salty
- \_\_\_\_\_ 30. which one of the following is not true about mass?  
A. It is the amount of matter in a body  
B. It can be measured and SI units  
C. It is measured by a device called beam balance  
D. The SI unit is Kg/m<sup>3</sup>
- \_\_\_\_\_ 31. Bases react with \_\_\_\_\_  
A. Acids to produce salts and water  
B. Salts to produce acids and water  
C. Water to produce acids and water  
D. Salt to produce base water
- \_\_\_\_\_ 32. Which of these are not alkali?  
A. NaOH      B. KOH      C. Li(OH)<sub>2</sub>      D. HCL
- \_\_\_\_\_ 33. The distance between two ends of a classroom of one side is 4m and 8cm,  
what is the length of the classroom in (centimeter)?  
A. 480cm      B. 408cm      C. 120 cm      D. 201cm
- \_\_\_\_\_ 34. In the reaction  $\text{Co}_2 + \text{Mgo} \rightarrow \text{Z}$ , Z can be?  
A. MgSo<sub>4</sub>      B. MgSo<sub>3</sub>      C. MgCo<sub>3</sub>      D. MgCl
- \_\_\_\_\_ 35. which one of the following is the most appropriate unit to specify distance  
between Kotebe and Goda?

- A. Km(kilometer) B. M(meter) C. MM(millimeter) D. CM(centimeter)
- \_\_\_\_\_ 36. which one is simplest alkyne?  
A. Methane B. Ethane C. Ethyne D. Ethene
- \_\_\_\_\_ 37. The volume of a cube of side 1mm is equal to \_\_\_\_\_ in metercube( $m^3$ )  
A.  $1 \times 10^{-9} m^3$  B.  $9 \times 10^{-1} m^3$  C.  $-9 \times 10^1 m^3$  D.  $1 \times 10^9 m^3$
- \_\_\_\_\_ 38. Which one is not polyatomic molecules?  
A. Ozone B. Boron C. Sulphur D. Flourine
- \_\_\_\_\_ 39. All the entire mass of an atom is concentrated in \_\_\_\_\_.  
A. Proton B. Electron C. Nucleus D. Neutrons
- \_\_\_\_\_ 40. Acid + Base  $\longrightarrow$  Z +  $H_2O$ , Z represents:-  
A. Carbone B. Carbondioxide C. Acid D. Salt
- \_\_\_\_\_ 41. Which one of the following indicator is colorless acid?  
A. Universal indicator C. Phenolphthalein  
B. Litmus D. Methyl Orange
- \_\_\_\_\_ 42. Which one is inorganic compound?  
A. Cyanide B. hexen C. hexan D. propane
- \_\_\_\_\_ 43.  $X + \text{water} \longrightarrow$  Acid solution, X represents?  
A. metallic oxide B. Acidic oxide C. Basic oxide D. proxide
- \_\_\_\_\_ 44. All of the compound are hydrocarbons except:-  
A. Methane B. buthene C. octyne D. Alcohol
- \_\_\_\_\_ 45. Molecules that contains two atoms per molecules is called?  
A. Diatomic molecules C. triatomic molecules  
B. Monoatomic molecules D. polyatomic molecules
- \_\_\_\_\_ 46. Which one is not organic compound?  
A. Liped B. Protein C. Sugar D. carbon dioxide
- \_\_\_\_\_ 47. A sodium atom ( $^{23}_{11}\text{Na}$ ) has \_\_\_\_  
A. 11 protons 11 electrons 12 neutrons  
B. 12 protons 11 electrons 11 neutrons  
C. 11 protons 12 electrons 11 neutrons  
D. 11 protons 10 electrons 11 neutrons
- \_\_\_\_\_ 48. The charge of the center is of an atom  
A. Negative B. Neutral C. Positive D. Positive & negative
- \_\_\_\_\_ 49. The sun atomic particles revolves around the orbit/shell of atom.

- A. Electron & neutron                      C. Neutron only  
B. Protons only                                D. Electron only

\_\_\_\_\_ 50. A salt produced by the reaction of sulfur oxide with calcium oxide?

- A. Sodium sulfate                              C. calcium sulfite  
B. calcium sulfate                              D. sodium sulfite

\_\_\_\_\_ 51. Which one is used to cutting and welding of steel & Iron?

- A. Ethyne    B. Propane    C. Formaline    D. Venegar

\_\_\_\_\_ 52. which one is top or upper layer of skin?

- A. Epidermis    B. Epithalien    C. Lymph    D. Lunula

\_\_\_\_\_ 53. Which of the following layers of skin contains blood vessels?

- A. Dermis    B. epidermis    C. haypodermis    D. lunula

\_\_\_\_\_ 54. Which are the correct products for these reactants  $\text{HCl} + \text{NaOH} \longrightarrow$

- A.  $\text{NaCl} + \text{H}_2\text{O}$                       C.  $\text{H}_3\text{O} + \text{NaCl}_2$   
B.  $\text{HoH} + \text{ClNa}$                       D.  $\text{NaOH} + \text{Cl}$

\_\_\_\_\_ 55. The prefix that represents  $\frac{1}{1,000,000}$  is \_\_\_\_\_

- A. Mega    B. Centi    C. Micro    D. hecto

\_\_\_\_\_ 56. PH is a measure of how acidic or basic a substance is the PH scale range

from

- A. 7-14    B. 0- 14    C. 0-7    D. 0-10

\_\_\_\_\_ 57. What is the compound represented by X in the following chemical equation?  $\text{X} + \text{H}_2\text{O} \longrightarrow \text{H}_2\text{So}_4$

- A.  $\text{So}_3$     B.  $\text{S}_2\text{O}_3$     C.  $\text{SO}_3$     D.  $\text{S}_2\text{O}_5$

\_\_\_\_\_ 58. Which one of the following is not indicator?

- A. Phenolphthalein                      C. Methyle Orange  
B. Litmus                                      D. Vinegar

\_\_\_\_\_ 59. Which of the following is a molecule compound?

- A. Oxygen molecule                      C. Hydrogen Molecule  
B. Nitrogen Molecule                      D. Water Molecule

\_\_\_\_\_ 60. The number of protons, electrons and neutrons respectively in  $\frac{35}{17} \text{Cl}^{-1}$  are:-

A. 17,17,18   B. 17,18,18   C. 17,16,18   D. 18,18,17