**I-Choose the correct answer in each case of the following: [ Marks]**

**1) Which of these is an example of a *physical* property?**   
A) Corrosiveness of sulfuric acid C) Toxicity of cyanide

B) Flammability of gasoline D) Lead becomes a liquid when heated to 601°C

**2)Which one of these represents a *chemical* change?**

A) boiling water C) turning hair yellow with bleach

B) melting butter D) water, when heated, forms steam

**3)Which of the following is a chemical property?**

A) Density B) Viscosity C) Acidity D) Melting point

**4)Which of the following is not a characteristic of the solid state?**

A) has a fixed shape C) has a fixed volume

B) particles are close together D) particles are moving very fast

**5)Which of the following is a mixture?**

A) gold B) air C) iron D) helium

**6)Which one of the following is homogeneous mixture?**

A) Vegetable salad. B) Sand in water. C) Sugar in tea. D) Chicken soup.

**7)How many milliliters is 0.005 L?**

A) 0.5 mL B) 5 mL C) 0.50 mL D) 0.000005 mL

**8)--------is the metric unit of the temperature of an object:**

A) Fahrenheit B) Celsius C) Kelvin D) Calorie

**9)Lead melts at 601.0°C. What temperature is this in °F?**

A) 302 0F B) 365 0F C) 1050 0F D) 1114 0F

**10)Bromine is a red liquid at 25 °C, its density is 3.12 g/cm3. What is the volume of 28.1 g of liquid bromine?**

A) 47.7 cm3 B) 3.12 cm3 C) 9.01 cm3 D) 28.1 cm3

**11)How many atoms are there in 2.5 moles of zinc?**

A) 6.02 x 1023 atoms B) 1.51 x 1024 atoms C) 2 .50 x 1023 atoms D) 4 .50 x 1023 atoms

**12)If you have 5.75 x 1024 aluminum atoms, approximately how many moles is that?**

A) 10 B) 5 C) 2 D)7

**13)What is the family name of the group 1A elements?**

1. Noble gases B) Halogens C) Alkali metals D) Alkaline earth metals

**14)The electronic configuration of the element of atomic number (21) is**

A) 1s2 , 2s2, 2p6, 3s2, 3p6, 4s2, 4p1

B) 1s2, 2s2, 2p6 3s2, 3p6 , 4s2, 3d1

C) 1s2, 2s2, 2p6, 3s2, 3p6, 3d1, 4s2

D) 1s2, 2s2, 2p6, 3s2, 3p6, 3d3

**15)The tendency of an atom to attract the electrons of the chemical bond to it self**

A) Electron affinity B) Electronegativity C) Ionization energy D) Atomic radius

**16.The principle quantum number (n) defines**

A) The principle energy level

B) The number of orbitals of a given sublevel

C) The number of sublevels in a certain energy level

D) Answer a and c are correct

**17)The sublevel …..is not found in any atom**

A)5d B) 1p C) 3p D) 2s

**18)An atom has an atomic number of 7. How many electrons are in its outer shell?**

A)2 B)5 C)7 D)14

**19)one of the following element is metalloide**

A)gallium(Ga) B) germanium(Ge) C) sodium(Na) D) sulphur(S)

**20)The element whose atom shows the greatest affinity form additional electron is**

A)Li B) F C) Cl D)O

***GOOD LUCK***