

CHEMISTRY 2019

Time: 30 Minutes

Max. Marks: 17

SECTION "A" (MULTIPLE CHOICE QUESTIONS)

1. Choose the correct answer for each from the given options: (17)

1. He was the first scientist who used Opium as an anesthesia:

- Ibne-Sina • Al-Beruni • Al-Razi • Robert Boyle

2. The basic unit of electric current is:

- Joule • Coulomb • Ampere • kilo watt

3. Which one of the following elements has electronic configuration as $K^2L^8M^2$?

- Calcium • Magnesium • Neon • Sodium

4. The mass of one mole of a substance expressed in gram is called:

- Empirical Formula
- Molecular Formula • Molecular Mass • Molar Mass

5. This one of the following pair of elements is chemically similar:

- (K, Cr) • (Cu, Ca) • (F, Cl) • (N, O)

6. The process in which molecules escape from the surface of a liquid is called:

- Evaporation • Boiling • Melting • Sublimation

7. The bond in MgO is:

- Electrovalent bond • Covalent bond

- Coordinate Covalent bond • Chemical bond

8. If 0.6 is the mole fraction of solute in a solution then the mole fraction of solvent would be:

- 0.1 • 0.2 • 0.3 • 0.4

9. The color of black shoes polish is due to:

- Bees Wax
- Animal charcoal • Bismark brown • Pearl Ash

10. The most abundant element found in earth crust is:

- Oxygen • Silicon • Nitrogen • Hydrogen

11. Coca-Cola contains this acid:

- Carbonic acid
- Acetic acid • Boric acid • Formic acid

12. This one of the following process is exothermic:

- Evaporation • Thermal Decomposition

- Respiration • Melting

13. The maximum density of water at 4°C is:

- 0.918 g/cm^3 • 0.998 g/cm^3 • 1 g/cm^3 • 1.2 g/cm^3

14. It is the highest Carbon content:

- Peat • Lignite • Bitumen • Anthracite

15. Sulphur burns in air with blue flames to produce:

- H_2S • SO_2 • SO_3 • S_2Cl_2

16. It is an alloy of Copper and Tin:

- Bronze • Brass • Nichrome • German Silver

17. The following is the functional group of Alcohol:

- -X • -OH • -COOH • $>\text{C}=\text{O}$