

01. What is the pH?
 a. The positive logarithm of the hydroxide ion concentration
 b. The positive logarithm of the hydrogen ion concentration
 c. The negative logarithm of the hydroxide ion concentration
 d. The negative logarithm of the hydrogen ion concentration
02. Which of the following is added for faster cooking and for making food items crispy?
 a. CaOCl_2 b. NaOH c. NaHCO_3 d. Na_2CO_3
03. Why is separation of the right side and left side of the heart important in birds and mammals?
 a. To avoid the mixing of oxygenated and deoxygenated blood.
 b. It allows a highly efficient supply of oxygen to the body.
 c. It meets the requirement of the high energy needs.
 d. All of the above.
04. _____ is the female reproductive part of flower?
 a. Cervix b. Pollen c. Carpel d. Stamen
05. Which of the following is best electric conductor?
 a. gold b. silver c. copper d. aluminum
06. Which one is the only nonmetal which conduct electricity?
 a. Lead b. Graphite c. Iodine d. Mercury
07. It is highly corrosive liquid. It can dissolve gold and platinum. It is a fresh mixture of two concentration acids. What is called?
 a. Aqua regia b. Nitration mixture
 c. Henderson-hasselbalch d. Common ion effect
08. Which of the following is not hormones regulated?
 a. Folding of mimosa pudica leaves.
 b. Bending of plant towards sun.
 c. Wilting of leaves
 d. Growth of roots
09. A device that convert electrical energy into mechanical energy is called:
 a. Galvanometer b. Ammeter
 c. Electric Motor d. Electric generator

10. What is the near point of the human eye with normal vision?
a. 26 cm b. 24 cm c. 29 cm d. 25 cm
11. Mendeleev's periodic table is based on:
a. Atomic mass b. Atomic number
c. Atomic volume d. Atomic radius
12. Group 17 elements are called as:
a. Alkali metal b. Alkaline earth metal
c. Halogen d. Noble gas
13. The general formula of alkane _____.
a. C_nH_{2n} b. C_nH_{2n-2} c. C_nH_{2n+2} d. $C_{2n}H_n$
14. The IUPAC name of Formaldehyde:
a. Methanal b. Methanol
c. Methionine d. Methanamine
15. Methods used to identify the locus of a gene and the distances between genes:
a. gene localization b. gene linkage
c. gene pool d. gene mapping
16. When combustion of coal takes place in the insufficient air(oxygen) which gas is formed?
a. Smoke b. Sulphur dioxide
c. Carbon monoxide d. Ammonia

ANSWER KEY

1	d	2	c	3	d	4	c	5	c	6	b	7	a	8	a
9	c	10	d	11	a	12	c	13	c	14	a	15	d	16	c