

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Bromine is obtained on a commercial scale from	A. Caliche B. Carnallite C. Common salt D. Cryolite
2	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
3	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
4	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc^{3+} B. Ti^{3+} C. Cu^{+} D. Zn^{2+}
5	Ammonia gas used directly as a fertilizer is injected into the soil at a depth of about	A. Two inches B. Three inches C. Five inches D. Six inches
6	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
7	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
8	In which molecule carbon atom is sp^2 hybridized	A. CH_4 B. C_2H_4 C. C_2H_2 D. None of the above
9	Which of the following species participate in sulphonation of benzene ring?	A. H_2SO_4 B. HSO_3^- C. SO_3^{2-} D. SO_3^{2-}
10	The substance used as a smoke screen in warfare is	A. SiCl_4 B. PH_3 C. PCl_5 D. Acetylene
11	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutron/proton ratio.
12	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above
13	Ozone is not	A. An allotrope B. A powerful oxidizing agent C. Paramagnetic

14 Which of the following statements is most appropriate about effective nuclear charge? It depends upon

A. The shielding constant
B. The atomic number
C. The charge on the nucleus
D. Both the nuclear charge and the shielding constant

15 Which of the following has greatest reducing power?

A. HI
B. Hbr
C. HCl
D. H₂

16 Which of the following metal exhibits more than one oxidation?

A. Na
B. Mg
C. Fe
D. Al

17 Natural fertilizer provides phosphorus to plants in the form of P₂O₅

A. 1.2 kg
B. 2.2 kg
C. 3.2 kg
D. 4 kg

18 The formula of nitre is

A. KNO₃
B. NaNO₃
C. NaCl
D. Na₂CO₃

19 1-Chloropropane has two isomers It is an example of

A. Chain isomerism
B. Position isomerism
C. Functional group isomerism
D. Metamerism

20 The dimension of rate constant of a second order reaction involves

A. Neither time nor concentration
B. Only time
C. Time and concentration
D. Time and square of concentration