

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following has greatest tendency to lose electron?	A. F B. Fr C. S D. Be
2	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
3	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
4	Heating a mixture of sodium benzoate and soda lime gives	A. Methane B. Benzene C. Sodium benzene D. Calcium benzoate
5	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. Austen
6	Which of the following halogens does not forms its oxyacids?	A. Fluorine B. Chlorine C. Bromine D. Iodine
7	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutron/proton ratio.
8	Benzene + Ozone \rightarrow Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diazonide C. Benzene triozonide D. Succinic acid
9	BiCl ₃ on hydrolysis forms a white precipitate of	A. Bismuthio is acid B. Bismuth oxychloride C. Bismuth pentachloride D. Bismuth hydroxide
10	Which of the following will not change the concentration of ammonia in the equilibrium N ₂ (g) + 3H ₂ (g) \rightleftharpoons 2NH ₃ (g): $\Delta H = -kj$	A. Increase of pressure B. Increase of temperature C. Decrease of volume D. Addition of catalyst
11	The substance used as a smoke screen in warfare is	A. SiCl ₄ B. PH ₃ C. PCl ₅ D. Acetylene
12	Which of the following represents elements in order of increasing atomic size?	A. I,Br,Cl B. Na,Mg,C C. C,N,O D. Li,Na,K
13	Sodium thiosulfate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Stabilizing behaviour

14.444446563/20/px;">Complexing behaviourD. Photochemical behaviour

14 Portland cement is manufactured by using
A. Limestone, clay and sand
B. Limestone, gypsum and sand
C. Limestone, gypsum and alumina
D. Limestone, clay and gypsum

15 The reaction/method that does not give an alkane is
A. Catalytic hydrogenation of alkanes
B. Wurtz reaction
C. Hydrolysis of alkyl magnesium bromide
D. Dehydrohalogenation of an alkyl halid.

16 Gooch crucible is used for the filtration of precipitates having
A. High solubility
B. High concentration
C. High ignition temperature
D. Low temperature

17 The percentage of oxygen in NaOH is
A. 40
B. 60
C. 8
D. 10

18 When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen?
A. More ice will be formed
B. Water will evaporate
C. More water will be formed
D. Equilibrium will not be formed

19 Which of the following is different from the other three oxides?
A. MgO
B. SnO
C. ZnO
D. Cr₂O₃

20 1 mole of CH₄ contains
A. 6.02×10^{23} atoms of H
B. 4 g-atom of hydrogen
C. 1.81 $\times 10^{23}$ molecules of CH₄
D. 3.0 g of carbon
