

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following fluorides does not exist?	A. NF_5 B. PF_5 C. AsF_5 D. SbF_5
2	The percentage of oxygen in NaOH is	A. 40 B. 60 C. 8 D. 10
3	Formic acid is obtained when	A. Calcium acetate is heated with conc. H_2SO_4 B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with $\text{K}_2\text{Cr}_2\text{O}_7$ and H_2SO_4
4	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium
5	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
6	The mass of the neutron is of the order of	A. 10^{-23} kg B. $1.44444465637207 \times 10^{-24}$ kg C. $1.44444465637207 \times 10^{-26}$ kg D. $1.44444465637207 \times 10^{-27}$ kg
7	Tollen's reagent is	A. Ammonical cuprous chloride B. Ammonical cuprous oxide C. Ammonical silver bromide D. Ammonical silver nitrate
8	Which one is primary alcohol?	A. Butan-2-ol B. Propan-2-ol C. Butane-1-ol D. $2,3\text{-Dimethylhexane-4-ol}$
9	The essential component of organic compound is	A. O B. C C. P D. N
10	Which is true for an element R present in group 13 of the periodic table?	A. It is a gas at room temperature B. It has oxidation state of +4 C. It forms R_2O_3 D. It forms RX_2
11	The percentage of nitrogen in urea is	A. 46 B. 60 C. 70 D. 80

12	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
13	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
14	A clathrate may be defined as a	A. Cage compound B. Liquid crystal C. Mixture D. Solid solution
15	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
16	The reference calomel electrode is made from which of the following?	A. ZnCl_2 B. CuSO_4 C. Hg_2Cl_2 D. HgCl_2
17	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
18	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCl D. Hl
19	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
20	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutron/proton ratio.